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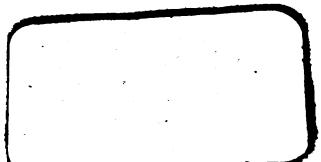
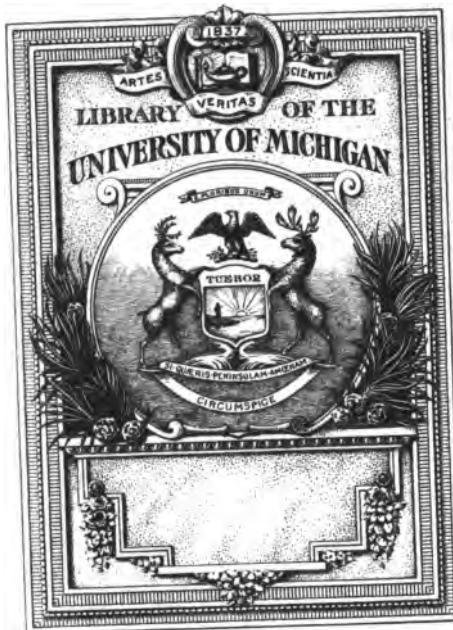
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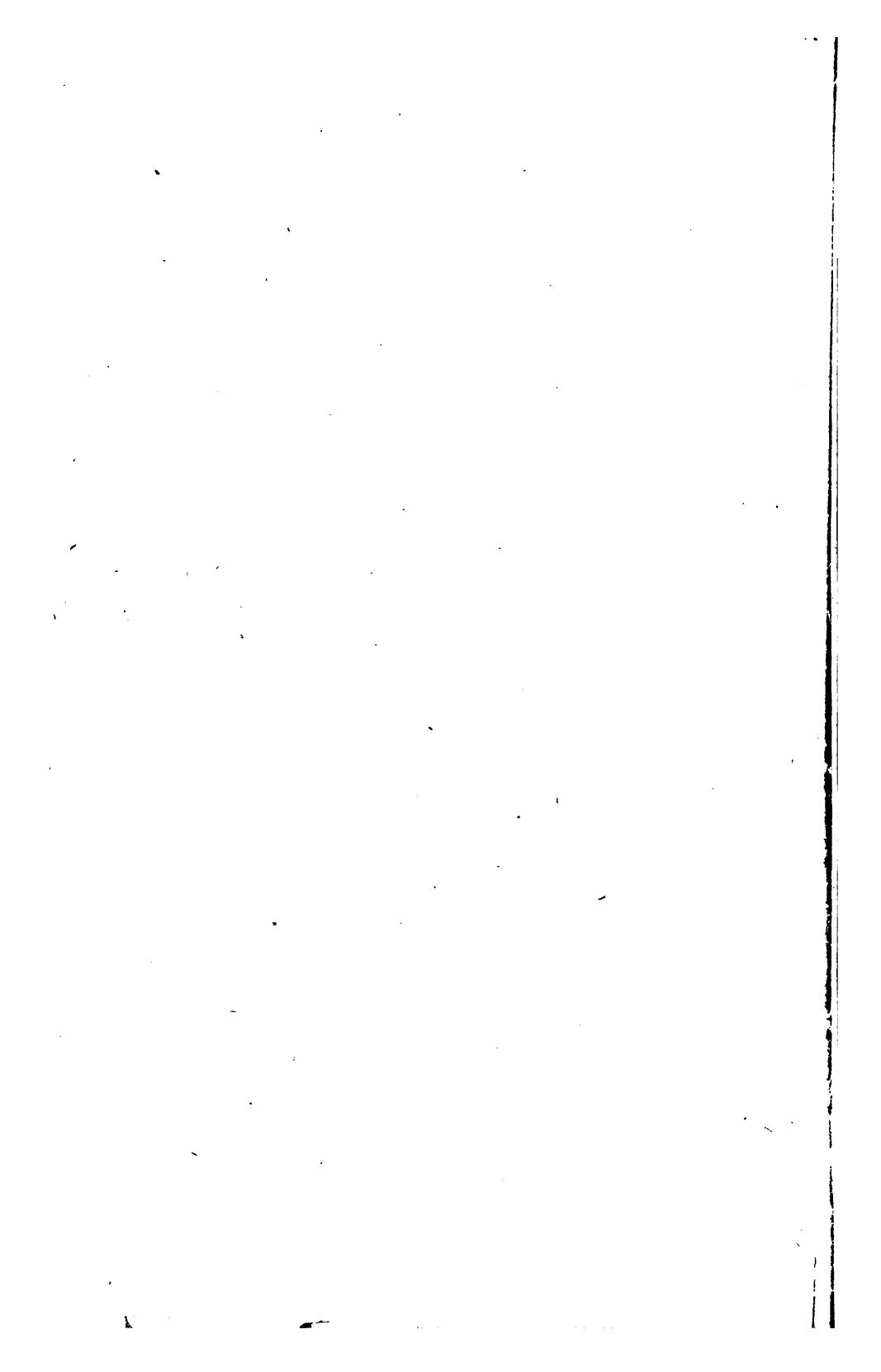
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A CATALOGUE
OF
AUSTRALIAN FOSSILS

(INCLUDING TASMANIA AND THE ISLAND OF TIMOR)

STRATIGRAPHICALLY AND ZOOLOGICALLY
ARRANGED.

BY

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PREFACE.

THE *Catalogue of Australian Fossils* was commenced in 1868 in conjunction with my friend and former colleague Mr Norman Taylor, merely with the view of carrying out our duties in connection with the Geological Survey of Victoria, but circumstances over which we had no control rendered the abandonment of the work necessary. It was not again resumed until 1871, then by myself, and through the interest evinced by several scientific friends I have been induced to continue the compilation, during leisure moments, until it has assumed its present proportions.

The subject of Australian Geology and Palaeontology is even now only in its infancy, notwithstanding the rapid strides which have been made within the last few years. It naturally results therefore, that although the number of species to be listed may be small when compared with those of other countries, still, often from the absence of definite information, the compilation has been attended with no ordinary difficulties. This will, I hope, to some extent tend to explain the many imperfections to be found in the 'Catalogue,' and of which no one is more conscious than I am. The present is, so far as I know, the first attempt at a complete list of Australian fossil Organic Remains, and notwithstanding the daily increasing number of species to be still more largely augmented in the future, I trust that the present effort will be found a tolerably faithful record of Australian Palaeontology up to the year 1878.

I have endeavoured to make the Catalogue as complete as circumstances will permit, but there are a few papers by colonial authors to which I have not been able to obtain access, and in consequence the data contained in them have been omitted, or imperfectly given.

In the great field of Australian Geology and Palaeontology I can lay claim to no greater title than that of a compiler, but as such, I would offer my tribute of respect and admiration

for the never-tiring zeal and energy, the self-denial of all home-comforts, and risk of health displayed by the pioneers of our common science in the Australian colonies, and of whose work, often carried on under the most adverse circumstances, the Catalogue is an epitome.

I refer to such men as the late S. Stutchbury, the late Rev. W. B. Clarke, F.R.S., the late Capt. Sturt, the late Sir T. L. Mitchell, the late L. Leichhardt, A. R. C. Selwyn, F.R.S., C. Gould, F.G.S., Prof. F. McCoy, F.G.S., the late W. Blandowski, Baron F. von Mueller, the late C. D'Oyly, H. Aplin, Norman Taylor, G. H. F. Ulrich, F.G.S., R. B. Smyth, F.G.S., the late R. Daintree, F.G.S., C. S. Wilkinson, F.G.S., Rev. J. E. T. Woods, F.G.S., R. A. F. Murray, H. Y. L. Brown, A. W. Howitt, F.G.S., G. Krefft, and others.

The object of the *Catalogue of Australian Fossils* is first, to give as complete a list as possible of the fossil Organic Remains of the Australian Continent, arranged in Stratigraphical and Zoological order; secondly, to indicate all the descriptions, figures, and more important references to each of the species; and thirdly, to point out the principal localities.

In carrying out this scheme it has been found most convenient to divide the Catalogue into five stratigraphical subdivisions, viz., Silurian, Middle and Upper Palæozoic (including the Devonian and Carboniferous), Mesozoic, Tertiary, and Post-Tertiary, in each of which the genera and species are arranged zoologically in classes, and alphabetically in order, for convenient reference.

Each page is subdivided vertically into four columns.

The first (that on the left hand of the reader) contains the name of the species and their authors; the second column is intended for the stratigraphical subdivisions of the respective sections in which the species occurs; the third and largest column is devoted to the bibliographical references, whilst the fourth contains the localities.

At the head of each page, on the left hand, is given in dark type and within brackets the name of the class to which all the genera contained in that page belong, whilst, in the corresponding corner, on the opposite side of the page, is similarly given the geological section of the work.

After the name of each genus is given that of its author

and the date, then follow within brackets one or more references to descriptions of the genus in question, by its author or other writers as the case may be; but it is to be universally understood that the first reference after a genus is that of its original description or enunciation, so far as my own researches have enabled me to ascertain. Here and there a few synonyms are given, and always the order or family to which the genus belongs.

The references to the species are of two kinds; first, those to works in which a detailed description or figure is to be found, denoted by an * placed before them; secondly, those in which a passing reference only is made to the species, such for instance as the announcement of the first discovery of it in Australian rocks, or of a new locality. When a species is common both to the strata of Australia and those of any other country I have invariably given quotations showing its synonymy and history previous to its discovery in the former. Unless denoted by the sign ! placed after it, every reference has been personally verified and referred to; any errors therefore which may be found are my own, and have arisen during transcription, or are typographical.

The abbreviations used are those usually adopted in works of reference, but in case they should not at once be apparent to the reader, I have given a list of all the Works, Papers, and Reports used and consulted in the compilation, arranged alphabetically under the authors' names, so that the full title of almost every quotation can at once be seen.

In the locality column the respective Colonies in which the places mentioned are situated, are indicated by an abbreviation in italics: thus, *N. S. Wales* (= New South Wales), *Vict.* (= Victoria, formerly *Australia Felix*), *S. A.* (= South Australia), *W. A.* (= Western Australia), *Qu.* (= Queensland), *Tas.* (= Tasmania).

It affords me great pleasure to offer my sincere thanks to those gentlemen who have rendered me assistance. To the father of Australian Geology, the late Rev. W. B. Clarke, F.R.S., I am indebted for information on many points connected with Colonial Geology, and the general interest he took in my work. Similarly, I am under obligations to Messrs R. B. Smyth and N. Taylor (Melbourne), C. S. Wilkinson (Sydney), R. M. John-

ston (Hobart Town), and the Rev. J. E. Tenison Woods (Sydney). I am indebted to Profs. Owen, F.R.S., T. Rupert Jones, F.R.S., G. Busk, F.R.S., P. M. Duncan, F.R.S., H. A. Nicholson, F.G.S., and G. S. Brady, Messrs T. Davidson, F.R.S., W. Carruthers, F.R.S., and H. B. Brady, F.R.S., Drs R. H. Traquair, F.G.S., H. Woodward, F.R.S., and I. B. Balfour, F.G.S., for information connected with their special subjects. To Messrs G. Sharman, E. T. Newton, F.G.S., and R. B. Newton (*Mus. Pract. Geology*), W. S. Dallas (*Geol. Soc. Lond.*), and C. O. Waterhouse (*Brit. Mus.*), I am indebted for assistance in unravelling obscure points in synonymy. Prof. L. G. de Koninck has placed me under many obligations by his courtesy in forwarding advanced proofs of his fine work on the Australian Palæozoic Fossils, by means of which I have been able to complete the Catalogue at a much earlier date than otherwise could have been done.

Through the kindness of Prof. Geikie, F.R.S., I have had afforded me the opportunity of consulting a large number of works in the Library of the University of Edinburgh; and I am also under obligations for literary assistance to Prof. F. W. Rudler, F.G.S., and Messrs W. Rupert Jones (*Geol. Soc. Lond.*), H. B. Wheatley (*R. Soc. Lond.*), T. W. Newton (*R. School Mines*), R. Kippist (*Linn. Soc. Lond.*), J. Gordon (*R. Soc. Edinb.*), and F. H. Waterhouse (*Zool. Soc. Lond.*). Lastly, the encouragement afforded me by my kind friends Dr J. J. Bigsby, F.R.S., and Mr R. L. Jack, F.G.S. (Brisbane), and my father, has assisted me to surmount many difficulties.

To the liberality and consideration of the Syndics of the Cambridge University Press the publication of the *Catalogue of Australian Fossils* is due, whilst to my friend the Rev. Professor T. G. Bonney, F.G.S., my warmest thanks must be tendered for bringing the manuscript under their notice.

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Post-Tertiary Species	175—196
Incertæ Sedis	197—198
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CORRIGENDA.

p. 5, Genus *DICHOGRAPTUS*, after pars, *read* 1861 (Geologist, rv. p. 74; Quart. Jour. Geol. Soc. 1863, xix. p. 139).

p. 18, Genus *PLEURODICTYUM*, should follow after *Plasmopora*, and before *Propora*.

p. 14, Genus *RHIZOPHYLLUM* should come before *Striatopora*.

p. 19, 20, 21, and 23. In Locality column, *for* Bruce's Ck. nr. Mt. Macedon, *read* Bruce's Ck. nr. Mt. Disappointment.

p. 28, Genus *TREMATOSPIRA*, *for* *T. lispleura*, *read* *T. leiopleura*.

p. 30, *GLOSSOPTERIA BROWNIANA*, line 18, *for* pt. 3, p. 18, *read* pt. 3, t. 3.

p. 36, *FAVORITES OVATA*, line 16, *for* t. 3, f. 5, *read* t. 7, f. 5.

p. 41, *BRACHYMETOPUS STRZELECKII*, line 4, *for* t. 3, *read* t. 4.

p. 42, *POLYCOPE SIMPLEX*, line 5, *for* t. 17, f. 5, *read* t. 24, f. 7.

p. 48, *DENDRICOPORA HARDYI*, line 2, *for* f. 1, *read* f. 4.
,, *FENSTELLIA MULTIPORATA*, line 4, *for* f. 4, *read* f. 2.

p. 44, *FENSTELLIA PLEBEIA*, line 19, *for* f. 2, *read* f. 1.

p. 45, *PROTOLEPTOPORA AMPLA*, line 16, *for* f. 4, *read* f. 5.

p. 46, *BETEPORA LAXA*, line 2, *for* f. 5, *read* f. 6.
,, *ATHYRIS PLANOSULCATA*, lines 8 and 9, *for* pt. 2, p. 224, t. 11, *read* pt. 3, p. 222, t. 9.

p. 48, *CHONETES LAGUESSIANA*, line 14, *for* pt. 2, *read* pt. 3.
,, *CHONETES PAPILIONACEA*, line 9, *for* pt. 2, *read* pt. 3.
,, *CYRTINA SEPTOSA*, line 7, *for* pt. 2, *read* pt. 3.
,, *DISCINA AFFINIS*, line 6, *for* t. 3, *read* t. 4.

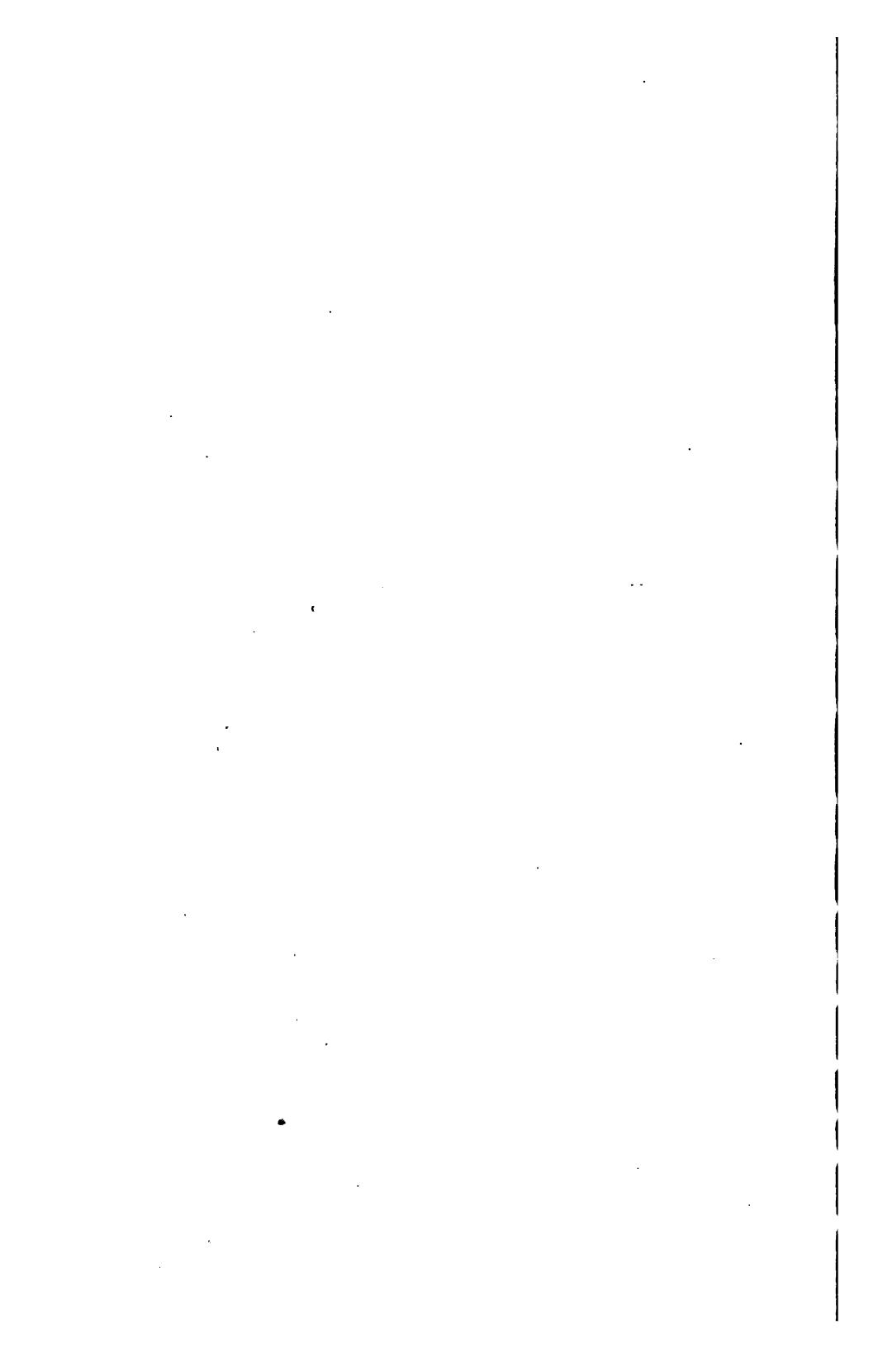
p. 51, *PRODUCTUS BRACHYTHERBUS*, line 18, *for* t. 3, *read* t. 4.

p. 57, *SPIRIFERA LATA*, line 1, *for* t. 3, *read* t. 4.
,, *SPIRIFERA OVIFORMIS*, line 5, *for* t. 3, *read* t. 4.

p. 103, bottom line of page, *for* *P. furcata*, *read* *P. farcta*.

LOWER PALÆOZOIC.

LOWER AND UPPER SILURIAN.



A STRATAGRAPHICAL CATALOGUE

OF

AUSTRALIAN FOSSILS.

(Planteæ—Rhizopoda.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Kingdom—Planteæ. *Section*—Cryptogamiae. *Order*—Algales.

Genus *Fucoides*, *Brongniart*, 1823. (Mém. Soc. Hist. Nat. I, p. 308.)

F. sp. ind.	Up. Sil.	Blandowski, Trans. Phil. Institute Vict. 1858, II, p. 144, figs. 2980 and 2981.	Botanical Gardens, Melbourne, Vict.
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Genus *Spirophyton*, *Hall*, 1863. (16th Annual Rep. N. Y. State Cab. Nat. Hist. app. D, p. 78.)

S.? <i>Cauda-Phasiani</i> , De Kon.	Up. Sil. (Up. Llandov.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 62, t. 4, f. 1.	Dunroon, N. S Wales.
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Kingdom—Animalia. *Sub-kingdom*—Protozoa. *Class*—Rhizopoda. *Order*—Foraminifera.

Genus *Receptaculites*, *Defrance*, 1824. (Prodrome, p. 119; Dict. Sci. Nat. 1827, XLV. p. 5.)—*Orbitolitidae*.

R. Australis, <i>Salter</i> .	Up. Sil.?	*Geol. Survey, Canada, Dec. I. p. 47, t. 10, f. 8—10.	Yarradong, near Yass Plains, N. Wales.
R. Clarkii, <i>Salter</i> (ms.).	Up. Sil.?	Clarke's S. Goldfields, 1860, p. 286; Hochstetter, Sitz. k. Akad. Wissensch. Wien, 1859, XXV. p. 335.	

Order—Spongida.

Genus *Stromatopora*¹, *Goldfuss*, 1826. (Petrefacts I. p. 21; Blainville, 1830, Dict. Sc. Nat. LX. p. 378.)—*Caunopora*, *Phillips*; *Sparsispongia*, *D'Orbigny*; *Amorphospongidae*.

S. striatella, <i>D'Orb.</i>	Up. Sil.	Prodrome de Pal. 1849, I. p. 51; De Kon, *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 10.	Bell River, N. S. Wales.
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¹ This genus is considered by some writers to be a Sponge, by others a Foraminifer.

(Hydrozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Sub-kingdom—Coelenterata. Class—Hydrozoa.

Rhabdophora et Cladophora.

Genus *Climacograptus*, *Hall*, 1865. (Geol. Survey, Canada, Dec. II. p. 111.)
Graptolitidae.

<i>C. bicornis</i> , <i>Hall</i> .	<i>L. Sil.</i>	<i>Graptolithus</i> , *Pal. New York, 1847, I. p. 268, t. 73, f. 2; <i>Diplograptus</i> , <i>M'Coy</i> , Ex. Essay, 1861, p. 161; <i>id. ibid.</i> Annals Nat. Hist. 1862, IX. p. 139; <i>Climacograptus</i> , <i>Hall</i> , *Geol. Survey, Canada, 1865, Dec. II. p. 111; <i>Diplograptus</i> , <i>Bigsby</i> , <i>Thesaurus Sil.</i> 1868, p. 83; <i>id. M'Coy</i> , <i>Smyth's Progress Rept.</i> 1874, p. 33; <i>D. (Climacograptus)</i> , <i>id. Geol. Survey, Vict.</i> Dec. I. 1874, p. 12, t. 1, f. 8.	
<i>C. quadrangularis</i> , <i>M'Coy</i> .		<i>Vide C. rectangularis</i> , <i>M'Coy</i> ?	
<i>C. rectangularis</i> , <i>M'Coy</i> .	<i>L. Sil. (Ll. Fl.).</i>	* <i>Brit. Pal. Foss.</i> 1851, p. 8, t. 1, B. f. 8; <i>Selwyn, Quart. Jour. Geol. Soc.</i> 1858, xiv. p. 584; <i>id. M'Coy, Ex. Essay</i> , 1861, p. 161; <i>id. ibid. Annals Nat. Hist.</i> 1862, IX. p. 138; ? <i>D. quadrangularis</i> , <i>M'Coy</i> , <i>ibid.</i> 1867, xx. p. 199; <i>id. et D. rectangularis</i> , <i>Bigsby, Thesaurus Sil.</i> 1868, pp. 84 and 200; <i>D. rectangularis</i> , <i>M'Coy</i> , <i>Smyth's Progress Rept.</i> 1874, p. 33; <i>id. ibid. Geol. Survey, Vict.</i> 1874, Dec. I. p. 11, t. 1, f. 7.	<i>Saltwater River,</i> <i>W. of Bulla; Holden; Didic R.</i> <i>Gippsland, Vict.</i>
Genus <i>Cœnograptus</i> , <i>Hall</i> , 1867. (20th Annual Report, N. Y. State Cab. Nat. Hist. pp. 217 and 226) = <i>Helicograptus</i> , <i>Nicholson</i> .— <i>Graptolitidae</i> .			
<i>C. gracilis</i> , <i>Hall</i> .	<i>L. Sil.</i>	<i>Graptolithus</i> , *Pal. N. York, 1847, I. p. 274, t. 74, f. 9; <i>Graptolites</i> , <i>M'Coy</i> , Ex. Essay, 1861, p. 161; <i>id. ibid. Annals Nat. Hist.</i> 1862, IX. p. 139; <i>id. ibid. id.</i> 1867, XX. p. 200; <i>Dichograptus</i> , <i>Bigsby, Thesaurus Sil.</i> 1868, p. 82; <i>Cœnograptus</i> , <i>Hall</i> , 20th Report, State Cab. N. York, 1867, p. 226; <i>Graptolites</i> , <i>M'Coy</i> , <i>Smyth's Progress Rept.</i> 1874, p. 33; <i>G. (Didymo.)</i> , <i>id. Geol. Survey, Vict.</i> Dec. II. 1875, p. 35, t. 20, f. 9.	<i>N.W. of Bulla,</i> <i>near Melbourne.</i>

A CATALOGUE OF AUSTRALIAN FOSSILS.

5

(Hydrozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Dichograptus</i> , <i>Salter</i> (pars), 1863. (Quart. Jour. Geol. Soc. xix. p. 189.) <i>Graptolitidae</i> .			
<i>D. octobrachiatus</i> , <i>Hall</i> .	L. Sil. (Ll. Fl.).	<i>Graptolithus</i> , *Geol. Survey, Canada, Rept. (1857) 1858, p. 122; <i>id. ibid.</i> *Dec. II. p. 96, t. 7; <i>Graptolites</i> , M'Coy, Ex. Essay, 1861, p. 161; <i>id. ibid.</i> Annals Nat. Hist. 1862, IX. p. 189; <i>Didymograptus</i> , <i>ibid.</i> id. 1867, XX. p. 200; <i>Dichograpsus</i> , Nicholson, *Quart. Jour. Geol. Soc. 1868, xxiv. p. 129, t. 5, figs. 1 and 2; <i>id. Bigaby</i> , Thesaurus Sil. 1868, pp. 82 and 200; <i>Didymograpsus</i> , M'Coy, Smyth's Progress Rept. 1874, p. 33; G. (<i>Didymo.</i>), <i>ibid.</i> *Geol. Survey, Vict. 1874, Dec. I. p. 17, t. 2, f. 4.	Castlemaine; Watch-box Ranges, Glenhope, and Piper's Crk.; E. bank of Saltwater River, near Melbourne, Vict.
Genus <i>Dicranograptus</i> , <i>Hall</i> , 1865. (Geol. Survey, Canada, Dec. II. p. 112.) <i>Graptolitidae</i> .			
<i>D. ramosus</i> , <i>Hall</i> .	L. Sil. (Ll. Fl.).	<i>Graptolithus</i> , *Pal. New York, 1847, I. p. 270, t. 73, f. 3; <i>Graptolites</i> , M'Coy, Ex. Essay, 1861, p. 161; <i>Diplograpsus</i> , M'Coy, Annals Nat. Hist. 1862, IX. p. 188; <i>Dicranograptus</i> , Hall, *Geol. Survey, Canada, Dec. II. p. 112; <i>Diplograpsus</i> , M'Coy, Annals Nat. Hist. 1867, XX. p. 200; <i>id. Bigsby</i> , Thesaurus Sil. 1868, pp. 84 and 200; <i>id. M'Coy</i> , Smyth's Progress Rept. 1874, p. 33; <i>Cladograpsus</i> , <i>id.</i> *Geol. Survey, Vict. 1875, Dec. II. p. 33, t. 20, f. 2.	W. of Bulla, near Melbourne; Bendigo (Bigsby), Vict.
Genus <i>Didymograptus</i> , <i>M'Coy</i> , 1851. (Brit. Pal. Foss. p. 9.)— <i>Graptolitidae</i> .			
<i>D. ? caduceus</i> , <i>Salter</i> .	L. Sil. (Ll. Fl.).	*Quart. Jour. Geol. Soc. 1855, IX. p. 87, f. 1; <i>ibid.</i> 1863, xix. p. 187, f. 13, a and b; M'Coy, Ex. Essay, 1861, p. 161; <i>ibid.</i> Annals Nat. Hist. 1862, IX. p. 139; <i>ibid.</i> id. 1867, XX. p. 200; Bigsby, Thesaurus Sil. 1868, p. 82; M'Coy, Smyth's Progress Rept. 1874, p. 33; <i>T. bryonoides</i> (pars), Etheridge, Annals Nat. Hist. XIV. 1874, p. 2, t. 3, figs. 3 and 4; G. (<i>Didymo.</i>) <i>caduceus</i> , M'Coy, *Geol. Survey, Vict. Dec. II. 1875, p. 30, t. 20, figs. 3—5.	Castlemaine; Barwon Creek; Baynton's Range; Newham, &c. Vict.

(Hydrozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
D. bryonoides, Hall.		Vide <i>Tetragraptus bryonoides</i> , Hall.	
D. ? denticulatus, Hall.	L. Sil.	<i>Graptolithus</i> , *Geol. Survey, Canada, Rept. (1857) 1858, p. 132; <i>id. ibid.</i> *Dec. II. p. 88, t. 4, figs. 12—16; <i>Didymograptus</i> , Bigsby, Thesaurus Sil. 1868, p. 82.	Melbourne (Bigsby).
D. extensus, Hall.	L. Sil. (Ll. Fl.).	<i>Graptolithus</i> , *Geol. Survey, Canada, Rept. (1857) 1858, p. 132; <i>id. ibid.</i> *Dec. II. p. 80, t. 2, figs. 11—16; <i>G. (Didymo.)</i> , M'Coy, *Geol. Survey, Vict. Dec. II. 1875, p. 29, t. 20, f. 1.	Parman Ch., Vict.
D. ? fruticosus, Hall.	L. Sil. (Ll. Fl.).	<i>Graptolithus</i> , *Geol. Survey, Canada, Rept. [1857] 1858, p. 128; <i>id. ibid.</i> *Dec. II. p. 90, t. 5, figs. 6—8, t. 6, figs. 1—3; <i>G. et D. Pantonii</i> (M'Coy, ms.), Salter, Quart. Jour. Geol. Soc. 1863, xix. pp. 138 and 140; <i>G. (Didymo.) fruticosus</i> , M'Coy, *Geol. Survey, Vict. 1874, Dec. I. p. 13, t. 1, figs. 9—14; <i>D. ? fruticosus</i> , Etheridge, Annals Nat. Hist. 1874, xiv. p. 6, t. 3, f. 19; ? <i>D. Pantonii</i> (M'Coy, ms.), Etheridge, *ibid. p. 7, t. 3, figs. 21 and 22.	Bird Reef, Bendigo; Spring Plains; Loddon R.; E. bank of Saltwater R., near Melbourne; Castlemaine, Vict.
D. furcatus, Hall.	L. Sil. (Ll. Fl.).	<i>Graptolithus</i> , *Pal. New York, 1847, p. 278, t. 74, f. 4 a—f; <i>Didymograptus</i> , M'Coy, Ex. Essay, 1861, p. 161; <i>id. ibid.</i> Annals Nat. Hist. 1862, ix. p. 139; <i>id. ibid.</i> Thesaurus Sil. 1868, p. 82; <i>id. M'Coy</i> , Smyth's Progress Rept. 1874, p. 38; <i>Cladograptus</i> , M'Coy, *Geol. Survey, Vict. Dec. II. 1875, p. 34, t. 20, f. 7.	Melbourne (Bigsby).
D. Logani, Hall.		Vide <i>Loganograptus Logani</i> , Hall.	
D. nitidus, Hall.	L. Sil. (Ll. Fl.).	<i>Graptolithus</i> , *Geol. Survey, Canada, Rept. (1857) 1858, p. 129; <i>id. ibid.</i> *Dec. II. 1865, p. 69, t. 1, figs. 1—9; <i>Didymograptus</i> , M'Coy, Annals Nat. Hist. 1867, xx. p. 200; <i>id. ibid.</i> Smyth's Progress Rept. 1874, p. 33; <i>id. Etheridge</i> , *Annals Nat. Hist. 1874, xiv. p. 6, t. 3, f. 20.	Baynton's Range; Castlemaine, Vict.
D. octobrachiatus, Hall.		Vide <i>Dichograptus octobrachiatus</i> , Hall.	
D. Pantonii, M'Coy (ms.).		Vide <i>D. ? fruticosus</i> , Hall.	
D. quadribrachiatus, Hall.		Vide <i>Tetragraptus quadribrachiatu</i> s, Hall.	

A CATALOGUE OF AUSTRALIAN FOSSILS.

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(Hydrozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>D. serratulus</i> , Hall.	L. Sil.	<i>Graptolithus</i> , *Pal. New York, 1847, i. p. 274, t. 74, f. 5 a, b; <i>Didymograpsus</i> , M'Coy, Ex. Essay, 1861, p. 161; <i>id. ibid.</i> Annals Nat. Hist. 1862, ix. p. 139; <i>id. ibid. id.</i> 1867, xx. p. 200; <i>id. Bigsby</i> , Thesaurus Sil. 1868, p. 88; <i>id. M'Coy</i> , Smyth's Progress Rept. 1874, p. 33.	Melbourne (Bigsby).
Genus <i>Diplograptus</i> ¹ , M'Coy, 1851 (Brit. Pal. Foss. pp. 3 and 7) = <i>Prionotus</i> , Hisinger; <i>Diprion</i> , Barrande.— <i>Graptolithidae</i> .			
<i>D. angustifolius</i> , Hall.	L. Sil.	*Pal. New York, 1859, iii. p. 515, figs. 1 and 2; Bigsby, Thesaurus Sil. 1868, p. 200.	Bendigo (Bigsby).
<i>D. bicornis</i> , Hall.		Vide <i>Climacograptus bicornis</i> , Hall.	
<i>D. folium</i> , Hisinger ² .		Vide <i>Phyllograptus typus</i> , Hall.	
<i>D. mucronatus</i> , Hall.	L. Sil. (Ll. Fl.).	* <i>Graptolithus</i> , Pal. New York, 1847, i. p. 268, t. 78, f. 1 a—d; <i>Diplograpsus</i> , M'Coy, Ex. Essay, 1861, p. 161; <i>id. ibid.</i> Annals Nat. Hist. 1862, ix. p. 138; <i>id. ibid. id.</i> 1867, xx. p. 199; <i>id. Bigsby</i> , Thesaurus Sil. 1868, pp. 88 and 200; <i>id. ibid.</i> Smyth's Progress Rept. 1874, p. 33; <i>id. ibid.</i> *Geol. Survey, Vict. Dec. i. 1874, p. 10, t. 1, f. 5; <i>id. Etheridge</i> , *Annals Nat. Hist. 1874, xiv. p. 5, t. 8, figs. 14—17.	Watch-box Ranges, near Baynton's; Newham, near Lancefield; Bullocka; Bendigo, Vict.
<i>D. palmeus</i> , Barrande.	L. Sil. (Ll. Fl.).	<i>Graptolithus</i> , *Grapt. de Bohème, 1850, p. 59, t. 8, figs. 1—4 and 7; <i>Diplograpsus</i> , M'Coy, Annals Nat. Hist. 1867, xx. p. 200; <i>id. Bigsby</i> , Thesaurus Sil. 1868, p. 200; <i>id. M'Coy</i> , Smyth's Progress Rept. 1874, p. 33; <i>id. ibid.</i> *Geol. Survey, Vict. Dec. ii. 1875, p. 32, t. 20, f. 6.	Bendigo (Bigsby).
<i>D. pristis</i> , Hisinger.	L. Sil. (Ll. Fl.).	<i>Prionotus</i> , Leth. Suec. 1837, p. 114, t. 35, f. 5; <i>Diplograpsus</i> , Selwyn, Quart. Jour. Geol. Soc. 1858, xiv. p. 538; M'Coy, Ex. Essay, 1861, p. 160; <i>id. ibid.</i> Annals Nat. Hist. 1862, ix. p. 138; <i>id. ibid. id.</i> 1867, xx. p. 199; <i>id. Bigsby</i> , Thesaurus Sil. 1868, pp. 88 and 200; <i>id.</i>	Parish of Bulla; N. of Lancefield; Parish of Darriwill; Sutherland's Creek; Holden, Vict.

¹ Written *Diplograpsus* by M'Coy. The name was first used by Prof. M'Coy in the *Annals of Natural History* for October, 1850, but the genus was described in the first fasciculus of the above work, 1851.

² As this species, *Phyllo. typus*, Hall, and *D. ovatus*, Barr., are regarded only as varieties of one form by M'Coy, I have given the references under *P. typus*.

(Hydrozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
D. quadrangularis, M'Coy.		M'Coy, Smyth's Progress Rept. 1874, p. 33; <i>id. ibid.</i> "Geol. Survey, Vict." Dec. 1. p. 11, t. 1, f. 6; <i>Diplograptus</i> sp. Etheridge Jnr., <i>Annals Nat. Hist.</i> 1874, xiv. p. 6, t. 8, f. 18. ?Vide <i>Climacograptus rectangularis</i> , M'Coy.	
D. rectangularis, M'Coy.		" " " "	
Genus <i>Graptolithus</i> , Linnaeus, 1786. (Syst. Nat. 1st ed. p. 8; 12th ed. 1768, III. p. 173.) <i>Graptolitidae</i> .			
G. fruticosus, Hall.		Vide <i>Didymograptus fruticosus</i> , Hall.	
G. gracilis, Hall.		Vide <i>Cænograptus gracilis</i> , Hall.	
G. bryonoides, Hall.		Vide <i>Tetragraptus bryonoides</i> , Hall.	
G. latus, M'Coy.		Vide <i>Tetragraptus bryonoides</i> , Hall.	
G. Logani, Hall.		Vide <i>Loganograptus Logani</i> , Hall.	
G. Ludensis, Murchison.		?Vide <i>G. priodon</i> , Bronn.	
G. octobrachiatus, Hall.		Vide <i>Dichograptus octobrachiatus</i> , Hall.	
G. Pantoni, M'Coy [ms.].		Vide <i>Didymograptus fruticosus</i> , Hall.	
G. priodon, Bronn.	L. and Up. Sil.	<i>Monopriodon</i> , *Lethaea, Geog. I. p. 207, t. 1, f. 13, t. 5, f. 7; ? <i>G. Ludensis</i> , Murchison, "Silurian Syst." 1839, p. 694, t. 26, figs. 1, 2; <i>id.</i> M'Coy, Ex. Essay, 1861, p. 161; <i>id. ibid.</i> <i>Annals Nat. Hist.</i> 1862, ix. p. 139; <i>id. ibid.</i> 1867, xx. p. 199; <i>id.</i> Bigsby, <i>Thesaurus Sil.</i> 1868, p. 80; <i>id.</i> M'Coy, Smyth's Progress Rept. 1874, p. 33.	Melbourne.
G. quadribrachiatus, Hall.	L. Sil.	Vide <i>Tetragraptus quadribrachiatu</i> s, Hall.	
G. sagittarius, His.	L. Sil.	<i>Prionotus</i> , Hisinger, *Leth. Suec. Supp. p. 114, t. 35, f. 6; <i>Graptolithus</i> , Hall, *Pal. New York, 1847, I. p. 272, t. 74, f. 1; <i>Graptolites</i> , M'Coy, Ex. Essay, 1861, p. 161; <i>id. ibid.</i> <i>Annals Nat. Hist.</i> 1862, ix. p. 139; <i>id. ibid.</i> 1867, xx. p. 199; <i>Graptolithus</i> , Bigsby, <i>Thesaurus Sil.</i> 1868, p. 81; <i>Graptolites</i> , M'Coy, Smyth's Progress Rept. 1874, p. 33.	
G. tenuis, Portlock.	L. Sil.	*Geol. Rept. Lond. 1843, p. 319, t. 19, f. 7; <i>Graptolites</i> , M'Coy, Ex. Essay, 1861, p. 161; <i>id.</i>	

A CATALOGUE OF AUSTRALIAN FOSSILS.

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(Hydrozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		<i>ibid.</i> Annals Nat. Hist. 1862, ix. p. 139; <i>id.</i> M'Coy, Smyth's Progress Rept. 1874, p. 33; <i>Graptolithus</i> , Bigsby, Thesaurus Sil. 1868, p. 81.	
Genus <i>Loganograptus</i> , <i>Hall</i> , 1867. (20th Rept. State Cab. New York, p. 226.) <i>Graptolitidae</i> .			
<i>L. Logani</i> , <i>Hall</i> .	L. Sil. (Ll. Fl.).	<i>Graptolithus</i> , *Pal. New York, 1859, iii. p. 502, figs. 1, 2 and 8; <i>Graptolites</i> , M'Coy, Ex. Essay, 1861, p. 161; <i>id. ibid.</i> Annals Nat. Hist. 1862, ix. p. 139; <i>Didymograptus</i> , <i>ibid.</i> 1867, xx. p. 200; <i>Dichograptus</i> , Bigsby, Thesaurus Sil. 1868, pp. 82 and 200; <i>Loganograptus</i> , <i>Hall</i> , 20th Rept. N. Y. State Cab. Nat. Hist. 1867, p. 226; <i>Didymograptus</i> , M'Coy, Smyth's Progress Rept. 1874, p. 33; <i>Grapt. (Didymo.) Logani</i> , var. <i>Australis</i> , <i>ibid.</i> *Geol. Survey, Vict. Dec. i. p. 18, t. 2, f. 6; <i>Loganograptus</i> , Etheridge, *Annals Nat. Hist. 1874, xiv. p. 4, t. 3, figs. 11 and 12.	Castlemaine; Newham, nr. Lancefield; Spring Plains; Kangaroo Creek; Parish of Darriwill; Sutherland's Ck.; Leigh River, nr. Cargarie Creek, Vict.
Genus <i>Phyllograptus</i> , <i>Hall</i> , 1858. (Geol. Survey, Canada, Rept. 1857, p. 187.) <i>Graptolitidae</i> .			
<i>P. typus</i> , <i>Hall</i> .	L. Sil. (Ll. Fl.).	*Geol. Surv. Canada, Rept. (1857) 1858, p. 137; <i>ibid.</i> *Dec. ii. 1865, p. 119, t. 15, figs. 1—12; M'Coy, Ex. Essay, 1861, p. 161; <i>D. folium</i> , <i>id. ibid.</i> ; <i>P. typus</i> , <i>id. Annals Nat. Hist.</i> 1862, ix. p. 139; <i>D. folium</i> , <i>id. ibid.</i> ; <i>P. typus</i> , <i>id. ibid.</i> 1867, xx. p. 200; <i>D. folium</i> et <i>D. ovatus</i> , Bigsby, Thesaurus Sil. 1868, p. 83; <i>P. typus</i> , <i>P. folium</i> , et <i>P. ovatus</i> , M'Coy, Smyth's Progress Rept. 1874, p. 33; <i>P. folium</i> , var. <i>typus</i> , <i>id. *Geol. Survey, Vict. Dec. i. 1874</i> , p. 7, t. 1, figs. 1—4; <i>P. typus</i> , Etheridge, *Annals Nat. Hist. 1874, xiv. p. 8, t. 3, figs. 9 and 10.	Newham, near Lancefield; Loddon River; Lodderg River, nr. M'Leod's Station; Saltwater River, near Melbourne; Flats of Kangaroo Creek, Vict.
Genus <i>Retiolites</i> , <i>Barrande</i> , 1850 (Grap. de Bohême, p. 68, note) = <i>Gladiolites</i> , Barr. 1850.— <i>Retioloidea</i> .			
<i>R. Australis</i> , <i>M'Coy</i> .	Up. Sil. (W. Sh.).	*Geol. Survey, Vict. 1875, Dec. ii. p. 86, t. 20, f. 10.	N. W. of Keilor, Vict.
Genus <i>Tetragraptus</i> , <i>Salter</i> , 1863. (Quart. Jour. Geol. Soc. xix. p. 140.) <i>Graptolitidae</i> .			
<i>T. bryonoides</i> , <i>Hall</i> .	L. Sil. (Ll. Fl.).	<i>Graptolithus</i> , *Geol. Survey, Canada, Rept. (1857) 1858, p. 126;	Castlemaine; Watch-box

(Hydrozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>T. quadribrachiatus,</i> <i>Hall.</i>	<i>L. Sil. (Ll. Fl.).</i>	<p><i>id. ibid.</i> *Dec. II. p. 84, t. 4, figs. 1—11; ?<i>G. latus</i>, Selwyn, Quart. Jour. Geol. Soc. 1858, xiv. p. 538; ?<i>id.</i> M'Coy, Ex. Essay, 1861, p. 161; <i>Tetragrapsus</i>, Salter, Quart. Jour. Geol. Soc. xix. pp. 137, 138, f. 8 a; ?<i>G. latus</i>, M'Coy, Annals Nat. Hist. 1862, ix. p. 139; <i>Didymograpsus</i> et ?<i>G. latus</i>, <i>id. ibid.</i> 1867, xx. p. 200; <i>G. bryonoides</i> et ?<i>G. latus</i>, Bigsby, Thesaurus Sil. 1868, pp. 80 and 200; <i>D. bryonoides</i> et ?<i>G. latus</i>, M'Coy, Smyth's Progress Rept. 1874, p. 33; <i>Grapt. (Didymo.) bryonoides</i> et ?<i>G. latus</i>, M'Coy, *Geol. Survey, Vict. Dec. I. p. 16, t. 2, figs. 2, 3 and 5; <i>Tetragraptus bryonoides</i> (pars), Etheridge, Annals Nat. Hist. 1874, xiv. p. 1, t. 3, figs. 1 and 2; ?<i>G. latus</i>, <i>ibid.</i> id. p. 7, t. 8, f. 28.</p> <p><i>Graptolithus</i>, *Geol. Surv. Canada, Rept. (1857) 1858, p. 126; <i>id. ibid.</i> *Dec. II. p. 91, t. 5, figs. 1—5, t. 6, f. 6; <i>Graptolites</i>, M'Coy, Ex. Essay, 1861, p. 161; <i>id. ibid.</i> Annals Nat. Hist. 1862, ix. p. 139; <i>Didymograpsus</i>, <i>ibid.</i> 1867, xx. p. 200; <i>id. ibid.</i> Smyth's Progress Rept. 1874, p. 33; <i>Grapt. (Didymograpsus)</i>, <i>ibid.</i> *Geol. Survey, Vict. 1874, Dec. I. p. 15, t. 2, f. 1; <i>Tetragraptus</i>, Etheridge, *Annals Nat. Hist. 1874, xiv. p. 3, t. 3, figs. 5—8.</p>	<p>Ranges, near Baynton's; Spring Plains; Barwon Creek, near Griffith and Green's Station; Glenhope and Piper's Creek; Kangaroo Creek; Sutherland's Creek; Parish of Darrigill; Parish of Cool-Barghurk, Vict.</p> <p>Newham, near Lancefield; Bird Reef, Bendigo; Watch-box Ranges, near Baynton's; Spring Plains, Vict.</p>

Class—Actinozoa.

Zoantharia Sclerodermata (Tabulata, Tubulosa, Perforata, Aporosa), and Rugosa.

Genus *Alveolites*, Lamarck, 1801. (Système d. Anim. s. Vertèb. p. 375.)
Tabulata.

<i>A. oculata.</i>		Vide <i>Ceriopora</i> (Polyzoa).	
<i>A. rapa, de Kon.</i>	<i>U. Sil. (Ludlow).</i>	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 18, Atlas, t. 1, f. 2.	Burrowang, N. S. Wales.
<i>A. repens, Foug.</i>	<i>U. Sil. (Ludlow).</i>	<i>Millepora</i> , *Dissertatio Corallia Balt. 1749, p. 19, plate, f. 25; <i>Alveolites</i> , Edwards and Haime, *Mon. Brit. Sil. Corals, 1854, p. 203, t. 62, f. 1; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 17.	Burrowang, N. S. Wales.

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(Actinozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Aulopora, Goldfuss, 1826 (Petrefacta, 1. p. 82) = Tubiporites, Schlotheim. Tubulosa?			
A. fasciculata, de Kon.	U. Sil. (Up. Llandov.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 14, Atlas, t. 1, f. 1.	Bell River, N. S. Wales.
Genus Cyathophyllum, Goldfuss, 1826. (Petrefacta, 1. p. 54.) Rugosa.			
C. articulatum, Wahlenberg.	U. Sil. (Ludlow).	<i>Madreporites</i> , *Nov. Act. Soc. Upsala, 1821, viii. p. 97; <i>Cyathophyllum</i> , Edwards and Haime, *Mon. Brit. Sil. Corals, 1854, p. 282, t. 67, f. 1; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 13.	Burrowang, N. S. Wales.
C. binum, Lonsdale.	L. Pal. (Up. Sil.).	<i>Turbinolopsis</i> , *Sil. System, 1839, p. 692, t. 16 bis, f. 5; <i>Petraia</i> , M'Coy, Sil. Foss. Ireland, 1862, p. 60; <i>Turbinolopsis</i> , Clarke, Quart. Jour. Geol. Soc. iv. p. 65.	Colocolo and Bingaberri, N. S. Wales.
Genus Cystiphyllum, Lonsdale, 1839. (Silurian Syst. p. 691.) Rugosa.			
C. Siluriense, Lonsd.	U. Sil. (Ludlow).	*Silurian Syst. 1839, p. 691, t. 16 bis, f. 1; Edwards and Haime, *Mon. Brit. Sil. Corals, p. 298, t. 72, f. 1; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 12.	Burrowang, N. S. Wales.
Genus Favosites (pars), Lamarck, 1816 (Hist. d. Anim. s. Vertèb. II. p. 204¹) =Calamopora, Goldfuss.—Tabulata.			
F. aspera, D'Orb.	U. Sil. (Ludlow).	Prodrome de Pal. 1849, 1. p. 49; Edwards and Haime, *Mon. Brit. Sil. Corals, 1854, p. 257, t. 60, f. 3; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 21.	Boree, N. S. Wales.
F. cristata, Blumenbach.	U. Sil. (Ludlow).	<i>Madreporites</i> , *Comment. Soc. Scient. Göt. 1804, xv. p. 154, t. 3, f. 12; <i>F. polymorpha</i> , Lonsdale, *Silurian Syst. 1839, p. 684, t. 15, f. 2; <i>F. cristata</i> , Ed. and Haime, *Mon. Brit. Sil. Corals, 1854, p. 260, t. 61, figs. 3 and 4; <i>F. polymorpha</i> , Clarke, S. Goldfields, 1860, p. 285; <i>F. cristata</i> , de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 20.	Burrowang, N. S. Wales.
F. fibrosa, Goldfuss.	U. Sil. (Ludlow).	<i>Calamopora</i> , *Petrefacta, 1. p. 82, t. 28, figs. 3 and 4; <i>Favosites</i> , Edwards and Haime, *Mon. Brit. Sil. Corals, 1854, pp. 217 and 261, t. 48, f. 3, t. 61, f. 5; <i>id. Clarke</i> , S. Goldfields, 1860, p. 285; <i>id. de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 22.	Limekilns, N. S. Wales.

¹ The name simply was first introduced in the *Cours de Zoologie*, 1812.

(Actinozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>F. Forbesi, Edwards and Haime.</i>	U. Sil. (Ludlow).	*Mon. Brit. Sil. Corals, 1854, p. 258, t. 60, f. 2, a—g; de Kon. *Foss. Pal. Nouv.-Galles d. Sud, 1876, p. 20.	Burrowang, N. S. Wales.
<i>F. Gothlandica, Foug.</i>	U. Sil. (Ludlow).	<i>Corallum</i> , *Dissertatio Corallia Balt. 1749, p. 89, plate 4, fig. 27; <i>Favosites</i> , Edwards and Haime, *Mon. Brit. Sil. Corals, 1854, p. 256, t. 60, f. 1; <i>id. Clarke</i> , Quart. Jour. Geol. Soc. 1848, iv. p. 65; <i>id. ibid.</i> S. Goldfields, 1860, p. 258; <i>id. de Kon. *Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 22.	Yass Plains; Burrowang, N. S. Wales.
<i>F. multipora, Lonsdale.</i>	U. Sil. (Ludlow).	*Silurian Syst. 1839, p. 683, t. 15 bis, f. 5; <i>F. multipora</i> <i>de Kon. *Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 21.	Limekilns, N. S. Wales.
<i>F. polymorpha, Lonsdale.</i>		Vide <i>F. cristata</i> .	
Genus <i>Halysites</i>¹, Fischer, 1813 (Zoognosia, Tab. Synop. 3rd ed. i. p. 387) = <i>Catenipora</i> , Lamarck, 1816.— <i>Tabulata</i> .			
<i>H. escharoides, Lamarck.</i>	U. Sil. (Ludlow).	<i>Catenipora</i> , Hist. d. Anim. s. Vertèb. 1816, ii. p. 207; <i>Halysites</i> , Edwards and Haime, *Mon. Brit. Sil. Corals, 1854, p. 272, t. 64, f. 2; <i>id. de Kon. *Foss. Pal. Nouv.-Galles d. Sud</i> , 1876, p. 16.	Wellington, N. S. Wales.
Genus <i>Heliolites</i>, Dana, 1846 (Zooph. U. S. Exploring Exped. p. 541)² = <i>Palaeopora</i> , M'Coy; <i>Geoporites</i> , D'Orb.— <i>Tabulata</i> .			
<i>H. interstinctus, Linn.</i>	L. Pal. (Up. Sil.).	<i>Madreporites</i> , Systema, 1767, 12th ed. p. 1276; <i>Palaeopora</i> , M'Coy, *Brit. Pal. Foss. 1851, p. 15; <i>Heliolites</i> , Edwards and Haime, *Polyp. Foss. Terr. Pal. p. 214; <i>id. ibid.</i> *Mon. Brit. Sil. Corals, 1854, p. 249, t. 15, f. 9; <i>Palaeopora</i> , M'Coy in Couchman's Progress Rept. 1877, iv. pp. 156 and 158.	Waratah Bay, Vict.
<i>H. megastoma, M'Coy.</i>	U. Sil. (Ludlow).	<i>Porites</i> , *Sil. Foss. Ireland, 1862, p. 62, t. 4, f. 19; <i>Palaeopora</i> , *Brit. Pal. Foss. 1851, p. 16, t. 1 c. f. 4; <i>Heliolites</i> , Edwards and Haime, *Mon. Brit. Sil. Corals, 1854, p. 251, t. 58, f. 2, a—d; <i>id. de Kon. *Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 24.	Burrowang, N. S. Wales.
<i>H. Murchisoni, Ed. and H.</i>	U. Sil. (Ludlow).	*Mon. Brit. Sil. Corals, 1854, p. 250, t. 57, f. 6, a—c; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 25.	Burrowang, N. S. Wales.

¹ Written "Alcyonites" by Fischer.² This generic name appears to have been first used by Guettard (*Mémoires*, 1770, t. III. p. 454).

A CATALOGUE OF AUSTRALIAN FOSSILS.

13

(Actinozoa.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Monticulipora</i> , <i>D'Orbigny</i> , 1849 (Prodrome de Pal. i. p. 25) = <i>Nebulipora</i> , <i>M'Coy</i> . — <i>Tabulata</i> .			
<i>M.?</i> <i>Bowerbanki</i> , <i>Ed.</i> and <i>H.</i>	U. Sil. (Up. Llandov.).	*Mon. Brit. Sil. Corals, 1854, p. 268, t. 68, f. 1, a—c; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 16.	Brockflat Creek, N. S. Wales.
<i>M. pulchella</i> , <i>Ed.</i> and <i>H.</i>	U. Sil. (Lud- low).	*Mon. Brit. Foss. Corals, 1854, p. 267, t. 62, f. 5, a, b; de Kon. *Foss. Pal. Nouv.-Galles d. Sud, 1876, p. 17.	Burrowang; Bell River, N. S. Wales.
Genus <i>Omphyma</i> , <i>Rafinesque</i> and <i>Clifford</i> , 1820. (Ann. d. Sc. Phys. Bruxelles, v. p. 235.) <i>Rugosa</i> .			
<i>O. Murchisoni</i> , <i>Ed.</i> and <i>H.</i>	U. Sil. (Lud- low).	*Mon. Brit. Sil. Corals, 1851, p. 289, t. 67, f. 8, a, b; de Kon. *Foss. Pal. Nouv.-Galles d. Sud, 1876, p. 12.	Burrowang, N. S. Wales.
Genus <i>Palæopora</i> , <i>M'Coy</i> , 1849. (Annals Nat. Hist. iii. p. 129.) Vide <i>Heliolites</i> , <i>Dana</i> .			
<i>P. interstincta</i> , <i>Linn.</i>		Vide <i>Heliolites interstinctus</i> .	
Genus <i>Plasmopora</i> , <i>Edwards</i> and <i>Haime</i> , 1849. (Comptes Rendus, xxx. p. 262.) <i>Tabulata</i> .			
<i>P. petaliformis</i> , <i>Lonsdale</i> .	U. Sil. (Lud- low).	<i>Porites</i> , *Silurian Syst. 1839, p. 687, t. 16, f. 4; <i>Plasmopora</i> , Ed. and H. *Mon. Brit. Sil. Corals, 1854, p. 253, t. 39, f. 1, a—c; <i>id. de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 24.	Bell River, N. S. Wales.
Genus <i>Propora</i> , <i>Edwards</i> and <i>Haime</i> , 1849. (l. c. p. 262.) <i>Tabulata</i> .			
<i>P. tubulata</i> , <i>Lons- dale</i> .	U. Sil. (Lud- low).	<i>Porites</i> , *Silurian Syst. 1839, p. 687, t. 16, f. 3; <i>Propora</i> , Ed. and H. *Mon. Brit. Sil. Corals, 1854, p. 255, t. 59, f. 3, a, b; <i>id. de Kon.</i> *Foss. Pal. Nouv.- Galles du Sud, 1876, p. 23.	Bell River, N. S. Wales.
Genus <i>Pleurodictyum</i> , <i>Goldfuss</i> , 1829. (Petrefacta, i. p. 118.)			
<i>P. megastomum</i> , <i>M'Coy</i> .	U. Sil.	Annals Nat. Hist. 1867, xx. p. 201, note; Biggby, Thesaurus Sil. 1868, p. 192; <i>M'Coy</i> , Smyth's Progress Rept. 1874, p. 34.	Upper Yarra Dis- trict, Vict.
Genus <i>Ptychophyllum</i> , <i>M. Edwards</i> and <i>Haime</i> , 1850. (Mon. Brit. Foss. Corals, Introd. p. lix.) <i>Rugosa</i> .			
<i>P. patellatum</i> , <i>Schlotheim</i> .	U. Sil. (Lud- low).	<i>Fungites</i> , Petrefacts, 1820, p. 347; <i>Strombodes plicatus</i> , Lonsdale, *Silurian Syst. 1839, p. 691, t. 16 bis, f. 4; <i>id. Clarke</i> , Quart. Jour. Geol. Soc. iv. p. 65; <i>P. patellatum</i> , Ed. and H. *Brit. Sil. Corals, 1854, p. 291, t. 67, f. 4; <i>P. plicatum</i> , Clarke, S. Gold- fields, 1860, p. 285; <i>P. patella- tum</i> , <i>de Kon.</i> *Foss. Pal. Nouv.- Galles du Sud, 1876, p. 11.	Yass Plains; Dan- galong, N. S. Wales.

(Actinozoa—Echinodermata.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Striatopora</i> , Hall, 1852. (Pal. N. York, n. p. 156.) <i>Tabulata</i> ?			
<i>S. Australica</i> , de Kon.	U. Sil. (Up. Llandov.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 19, t. 1, f. 3, a.	Yass, N. S. Wales.
Genus <i>Strombodes</i> (pars), Schweigger, 1820 (Handb. d. Naturg. p. 418) = <i>Acervularia</i> , Lonsdale; <i>Actinocyathus</i> , D'Orbigny.— <i>Rugosa</i> .			
<i>S. diffusa</i> , Ed. and H.	U. Sil. (Up. Llandov.).	*Mon. Brit. Sil. Corals, 1854, p. 294, t. 71, f. 2; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 10.	Maneroo, N. S. Wales.
Genus <i>Syringopora</i> , Goldfuss, 1826 (Petrefacta, i. p. 75) = <i>Harmodites</i> , Fischer, 1828.— <i>Tabulata</i> .			
<i>S. serpens</i> , Linn.?	U. Sil. (Up. Llandov.).	<i>Tubipora</i> , Syst. Nat. 1767, ed. 12, p. 1271; <i>Syringopora</i> , Ed. and H. *Mon. Brit. Sil. Corals, 1854, p. 275, t. 65, f. 2; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 15.	Deleget River, N. S. Wales.
Genus <i>Rhizophyllum</i> , Lindstrom, 1865. (Kongl. Vet. Akad. Förhandl. 1865, No. 5, p. 287.) <i>Rugosa</i> .			
<i>R. interpunctatum</i> , de Kon.	U. Sil. (Up. Llandov.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 61, t. 1, f. 10.	Boree Cavern, N. S. Wales.

Sub-kingdom—Annuloida. Class—Echinodermata¹.Genus *Cyathocrinus*, Miller, 1821 (Nat. Hist. Crinoidea, p. 85) = *Encrinites*, Schlotheim, 1817.—*Crinoidea*, *Cyathocrinidae*.

<i>C. pinnatus</i> , Blan-	Up. Sil.	<i>Cyathocrinites</i> , Trans. Phil. Soc. Vict. i. p. 122.	Up. Yarra, Vict.
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Genus *Palaeaster*, Hall, 1852. (Pal. New York, n. p. 247.) *Astroidea*.

<i>P. Selwynii</i> , M'Coy.		Vide <i>Urasterella</i> .	
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Genus *Petraster*, Billings, 1858. (Geol. Surv. Canada, Dec. iii. p. 79.) *Astroidea*.

<i>P. Smythi</i> , M'Coy.	U. Sil.	Smyth's Progress Rept. 1874, p. 34; *Geol. Survey, Vict. Dec. i. 1874, p. 41, t. 10, f. 1, a, b.	Moonee Ponds, nr. Flemington, Vict.
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Genus *Tæniaster*, Billings³, 1858. (Geol. Surv. Canada, iii. p. 80.) *Astroidea*.

<i>T. Australis</i> , M'Coy (ms.).	U. Sil.	Smyth's Progress Rept. 1874, p. 34.	Melbourne, and Up. Yarra, Vict.
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¹ We have on record indicated species of the genus *Actinocrinus*, Miller. (Selwyn, Quart. Jour. Geol. Soc. 1868, xiv. p. 534; Bigby, *Thesaurus*, 1868, pp. 18 and 19; Smyth's *Progress Rept.* p. 34.)

² Non *C. pinnatus*, Goldfuss, *Pet. Germ.* i. p. 190, t. 58, f. 7.

³ Prof. Hall considers that there is a very close relation between this genus and *Protaster*, Forbes, and *Eugaster*, Hall (20th Ann. Report State Cab. Nat. Hist. N. York, 1867, p. 300).

(Echinodermata—Crustacea.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Urasterella</i> , <i>M'Coy</i> ¹ , 1851 (Brit. Pal. Foss. p. 59) = <i>Stenaster</i> , Billings, 1858.— <i>Asteroidea</i> .			
<i>U. Selwyni</i> , <i>M'Coy</i> .	<i>U. Sil.</i>	<i>Paleaster</i> , Geol. Survey, Vict. 2 sheet 4 S.W. note; <i>id. Smyth's Progress Rept.</i> 1874, p. 34; <i>Urasterella</i> , <i>Geol. Survey, Vict.</i> Dec. 1. 1874, p. 42, t. 10, f. 2 and 3.	Nr. the Bald Hills, Kilmore, Vict.

Class—Crustacea.

Genus *Bronteus*, *Goldfuss*, 1839 (Nov. Act. Phys.-Med. Acad. Cassareæ Leop.-Carol. Nat. Curios. xix. pt. 1. p. 360) = *Brontes*, *Goldf.*—*Trilobita*.

<i>B. goniopeltis</i> , <i>de Kon.</i>	<i>U. Sil. (Up. Llandov.)</i>	* <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 58, pl. 1, f. 10.	Rock-flat Creek, N. S. Wales.
<i>B. Partschi</i> , <i>Bar.</i>	<i>U. Sil. (Ludlow.)</i>	Notice <i>Prélim.</i> p. 60; * <i>Syst. Sil. Bohm.</i> 1. p. 870, t. 46, figs. 19—31; <i>de Kon.</i> , * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 57.	Boree Cavern, N. S. Wales.

Genus *Calymene*, *Brongniart*, 1822. (Hist. Nat. Crust. Foss. pp. 6 and 9.) *Trilobita*.

<i>C. Blumenbachii</i> , <i>Brong.</i>	<i>U. Sil. (Up. Llandov.)</i>	* <i>Crust. Foss.</i> 1822, p. 11, t. 1, f. 1 a—d; <i>de Kon.</i> , * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 55.	Yarralumla, N. S. Wales.
<i>C. Macleayii</i> , <i>Salter</i> (ms.).		Clarke, S. Goldfields, 1860, p. 286.	
<i>C. tuberculata</i> ² .	<i>U. Sil.</i>	<i>M'Coy</i> , in <i>Smyth's Progress Rept.</i> 1874, p. 34.	Upper Yarra, Vict.

Genus *Caryocaris*, *Salter*, 1863. (Quart. Jour. Geol. Soc. xix. p. 189.) *Phyllopoda*.

<i>C. Salteri</i> , <i>M'Coy</i> .		<i>Vide Hymenocaris Salteri</i> , <i>M'Coy</i> .
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Genus *Cheirurus*, *Beyrich*, 1845 (Über Böhm. Trilob. p. 5) = *Ceraurus*, *Green.* *Trilobita*.

<i>C. Murrayi</i> , <i>Salter</i> (ms.).		Clarke, S. Goldfields, 1860, p. 286.	
<i>C. insignis</i> , <i>Beyrich</i> .	<i>U. Sil. (Up. Llandov.)</i>	*Über Böhm. Trilob. p. 12, f. 1; <i>de Kon.</i> , * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 48.	Yarralumla, N. S. Wales.

Genus *Cromus*, *Barrande*, 1852. (*Syst. Sil. d. Centre de la Bohème*, 1. p. 821.) *Trilobita*.

<i>C. Bohemicus</i> , <i>Bar.</i>	<i>U. Sil. (Up. Llandov.)</i>	* <i>I. c.</i> p. 828, t. 43, figs. 15—17; <i>C. Bohemicus</i> , <i>de Kon.</i> , * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 58.	Yarralumla, N. S. Wales.
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¹ Prof. Hall and *M'Coy* concur in the distinctness of this genus from *Paleaster*, *Hall*, and in its identity with *Stenaster*, *Hall*. (*op. cit.*, p. 282, and *Geol. Survey, Vict.* Dec. 1. p. 42), contrary to the opinion of Messrs *Salter* and *Billings*, both of whom referred such types to *Paleaster*.

² The author of this species is not mentioned; may it be intended for *C. tuberculosa*, *Salter* (*Memo. Geol. Surv.* II. pt. 1. p. 342)?

(Crustacea.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
C. Murchisoni, <i>de Kon.</i>	U. Sil. (Up. Llandov.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 54, t. 1, f. 9.	Yarralumla and Quadong, N. S. Wales.
Genus <i>Dalmannia</i> , <i>Emmrich</i> , 1845. (Neues Jahrb. f. Miner. p. 40.) <i>Trilobita</i> .			
D. caudata, <i>Brin.</i>		Vide <i>Phacops caudatus</i> .	
Genus <i>Encrinurus</i> , <i>Emmrich</i> , 1845. (l. c. p. 42.) <i>Trilobita</i> .			
E. Australis, <i>Salter</i> (ms.).	Up. Sil.?	Clarke, S. Goldfields, 1860, p. 286.	
E. Barrandei, <i>de Kon.</i>	U. Sil. (Up. Llandov.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 51, pl. 1, f. 8.	Yarralumla, N. S. Wales.
E. punctatus, <i>Brünich.</i>	U. Sil. (Ludlow).	*Neues Jahrb. f. Miner. 1845, p. 42; <i>de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 49.	Yass, N. S. Wales.
Genus <i>Entomis</i> , <i>Jones</i> , 1861. (Mems. Geol. Survey, Scotland, No. 32, p. 137.) <i>Ostracoda</i> .			
E. pelagica, <i>Barande.</i>	U. Sil. (L. Llandov.).	*Syst. Sil. Bohm. 1. Supp. 1872, p. 515, t. 24, figs. 1—6; <i>de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 45.	Yarralumla, N. S. Wales.
E. tuberosa, <i>Jones.</i>	U. Sil. (L. Llandov.).	Salter, *Mem. Geol. Survey, Scotland, 32, p. 137, t. 2, f. 5; Jones, *Annals Nat. Hist. 1873, xi. p. 415; Woodward, Cat. Brit. Foss. Crust. 1877, p. 120.	Yarralumla, N. S. Wales.
Genus <i>Forbesia</i> , <i>M'Coy</i> , 1862. (Sil. Fossils, Ireland, p. 49.) <i>Trilobita</i> .			
F. Euryceps, <i>M'Coy</i> .	U. Sil. (Wenlock).	*Geol. Survey, Vict. Dec. iii. p. 17, t. 23, f. 10.	Broadhurst Creek, Vict.
Genus <i>Harpes</i> , <i>Goldfuss</i> , 1839. (Nov. Act. Phys.-Med. Acad. Cæsarea Leop. Carol. Cur. Nat. xix. pt. 1, p. 358.) <i>Trilobita</i> .			
H. ungula, <i>Sternberg</i> .	U. Sil. (Ludlow).	<i>Trilobites</i> , *Verhandl. Böh. Mus. p. 52, t. 2, f. 1; <i>Harpes</i> , Barrande, *Syst. Sil. Boh. 1852, 1. p. 347, t. 8, f. 9; <i>id. de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 59.	Boree Cavern, N. S. Wales.
Genus <i>Homalonotus</i> , <i>König</i> , 1820? (Icones Sectil. p. 4) = <i>Dipleura</i> , Green, <i>Trimerus</i> , Green.— <i>Trilobita</i> .			
H. Harrisoni, <i>M'Coy</i> .	U. Sil. (Up. Llandov.).	Annals Nat. Hist. 1867, xx. p. 198, Bigsby, Thesaurus Sil. 1868, p. 199; M'Coy, Smyth's Progress Rept. 1874, p. 34; <i>id. Geol. Survey</i> , Vict. Dec. iii. 1876, p. 19, t. 23, f. 11 (? = <i>H. delphinocephalus</i> , Harrison (non Green), Trans. Roy. Soc. Vict. vii. p. 17).	Moonee Ponds Creek, near Melbourne, Vict.

(Crustacea.)		(Silurian.)	
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Hymenocaris</i> , <i>Salter</i> , 1853. (Brit. Ass. Rept. for 1852, pt. 2, p. 58.) <i>Phyllopoda</i> .			
H. Salteri, <i>M'Coy</i> .	L. Sil.	Ex. Essay, 1861, p. 161; Annals Nat. Hist. 1862, ix. p. 140; <i>id.</i> 1867, xx. p. 201; Salter, Quart. Jour. Geol. Soc. 1863, xix. p. 139; <i>Hymenocaris et Caryocaris</i> , Bigsby, Thesaurus Sil. 1868, pp. 73 and 200; <i>M'Coy</i> , Smyth's Progress Rept. 1874, p. 33; ? <i>Hymenocaris vermicauda</i> , Hochstetter, Verhandl. K. K. Geol. Reichsanstalt (Jahrbuch, 1861, xii.) p. 23.	Redesdale, <i>Vict.</i>
Genus <i>Illænus</i> , <i>Dalman</i> , 1826. (Kongl. Vet. Acad. Handl. för år 1826, p. 248.) <i>Trilobita</i> .			
I. Wahlenbergianus, <i>Barr.</i>	U. Sil. (Ludlow).	*Sil. Syst. Bohême, i. p. 684, t. 34, f. 19—25; <i>I. Wahlenbergi?</i> de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 46.	Boree Caverns, N. S. Wales.
Genus <i>Lichas</i> , <i>Dalman</i> , 1826. (Kongl. Vet. Acad. Handl. för år 1826, p. 278.) = <i>Acanthopyge</i> , Hawle and Corda, 1847.— <i>Trilobita</i> .			
L. <i>Australis</i> , <i>M'Coy</i> .	U. Sil.	*Geol. Survey, Vict. Dec. iii. p. 18, t. 22, f. 11.	Woori-Yallock, <i>Vict.</i>
L. sp. ind.	U. Sil.	de Kon. Foss. Pal. Nouv.-Galles du Sud, 1876, p. 57.	Rockflat Creek, N. S. Wales.
Genus <i>Phacops</i> , <i>Emmrich</i> , 1839. (De Trilob. Dissert. p. 18; Neues Jahrb. 1845, p. 38.)— <i>Trilobita</i> .			
P. <i>caudatus</i> , <i>Brünnich</i> .	U. Sil.	Burmeister, *Organ. Trilobites, 1846, p. 94, t. 4, f. 9; <i>Dalmanita</i> , <i>M'Coy</i> , Geol. Survey, Vict. 1 sheet 4, S.W. note; <i>P. (Odon-tochile)</i> , <i>id. ibid.</i> *Dec. iii. 1876, p. 13, t. 22, figs. 1—7, t. 23, figs. 7—10; Couchman's Progress Rept. 1877, iv. p. 156.	Broadhurst and Kilmore Creeks, <i>Vict.</i>
P. <i>fecundus</i> , <i>Barr.</i>	U. Sil.	*Syst. Sil. de la Bohême, 1852, i. p. 514, t. 21, figs. 1—27; <i>P. (Portlockia)</i> <i>M'Coy</i> , *Geol. Survey, Vict. Dec. iii. 1876, p. 15, t. 22, figs. 8 and 9, t. 23, figs. 1—6.	Yering, Up. Yarra, <i>Vict.</i>
P. <i>longicaudatus</i> , <i>Murchison</i> .	U. Sil.	*Silurian Syst. 1839, p. 656, t. 14, figs. 11—14; <i>M'Coy</i> , Ex. Essay, 1861, p. 162; Annals Nat. Hist. 1862, ix. p. 140; <i>id. ibid.</i> 1867, xx. p. 198; Bigsby, Thesaurus Sil. 1868, p. 63; <i>M'Coy</i> , Smyth's Progress Rept. 1874, p. 34.	Broadhurst Creek, <i>Vict.</i>

(Crustacea.)		(Silurian.)	
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Proetus, Steininger, 1831. (Méms. Soc. Géol. France, i. p. 355¹.)—Trilobita.			
P. Stokesii, Murchison.	U. Sil. (Up. Llandov.).	<i>Asaphus</i> , *Silurian System, 1839, p. 656, t. 14, f. 6; <i>Proetus</i> , Siluria, 1867, 4th ed. p. 520; <i>P. Stokesii?</i> de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 56.	Yarralumla, N. S. Wales.
Genus Staurocephalus, Barrande, 1846. (Notice Prélim. p. 52.)—Trilobita.			
S. Clarkei, de Kon.	U. Sil. (Up. Llandov.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 47, t. 1, f. 8.	Rockflat Creek, N. S. Wales.
Genus Trinucleus, Luid, 1699. (Lith. Brit. Ichnographia, p. 97².)—Trilobita.			
T. Clarkei, M'Leay (ms.).		Quart. Jour. Geol. Soc. iv. p. 64.	Burrugood, N. S. Wales.
Sub-kingdom—Mollusca. Section—Molluscoidea. Class—Polyzoa³.			
Genus Ceriopora (pars), Goldfuss, 1826 (Petrefacta, i. p. 32⁴.)			
C. oculata, Clarke.		S. Goldfields, 1860, p. 284 (?= <i>C. oculata</i> , Goldfuss, *Petrefacta, i. p. 217, t. 65, f. 14).	
Genus Ptilodictya, Lonsdale, 1839, non Goldf. (Sil. Syst. p. 676.) Cheiostomata-Inarticulata.			
P. fucoides, M'Coy.	U. Sil.	*Brit. Pal. Foss. p. 47, t. 1 c, f. 14; Smyth's Progress Rept. 1874, p. 34.	Goulburn, Vict.
Class—Brachiopoda.			
Genus Atrypa, Dalman, 1828 (Kongl. Vet. Acad. Handl. för år 1827, p. 102⁵; Davidson, Introduction, p. 90)=Spirigerina, d'Orb.—Clistenterata-Rhynchonellidae.			
A. reticularis, Linnaeus.	U. Sil. (Up. Ludlow).	<i>Anomia</i> , Syst. Nat. 1767, xii. ed. i. pt. 2, p. 1152; <i>Atrypa</i> , Dalman. Kongl. Vet. Acad. Handl. för år 1827 (1828), p. 127, t. 4, f. 2; <i>id. Hall</i> , Pal. N. York, 1851, ii. pp. 72 and 270, t. 28, f. 8, a—e; <i>id. Davidson</i> , Mon. Brit. Sil. Brach. 1867, p. 129,	Duntroon, N. S. Wales.

¹ This volume bears date 1833, but the memoir containing the description of the genus *Proetus*, is headed, "publié à Trèves en 1831."

² As *Trinucleum*. It was figured, but not described, in the *Philosophical Transactions* (Vol. 20, 1698, p. 279, plate).

³ Note. The following genera are also known to occur in Victoria, *Beyrichia*, *Cheirurus*, and *Sphaerexochus* (Selwyn, Quart. Jour. Geol. Soc. 1858, xiv. pp. 533—34; Bigsby, Thesaurus, pp. 43—45, 65, and 73, &c.; M'Coy, Smyth's Progress Rept. 1874, p. 34). From New South Wales we have *Beyrichia* (Clarke, S. Goldfields, p. 280).

A species of *Trinucleus*, closely allied to, if not identical with, *T. Caractaci*, Murchison (=*C. concentrica*, Eaton), was discovered by the Rev. W. B. Clarke at Yarralumla, N. S. Wales (Quart. Jour. IV. p. 66).

⁴ Prof. M'Coy has recorded the occurrence of two new species of *Fenestella* in Victorian rocks.

⁵ As originally described *Ceriopora* contained a heterogeneous assemblage of generic types, and even as now used for Palaeozoic forms can only be regarded as a provisional or conventional term. It is probable that the majority of the latter will fall into the genus *Rhombopora*, Meek.

⁶ The genus *Atrypa*, with *Leptana* and *Orthis*, were described by Dalman, as above, in the volume for 1827, which bears 1828 as its date of publication.

(Brachiopoda.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
A. ? <i>hemispherica</i> , <i>J. de C. Sow.</i>	U. Sil. (Up. Lilandov.).	t. 14, figs. 1—22; <i>Spirigera</i> , M'Coy, Annals Nat. Hist. 1867, xx, p. 196; <i>Atrypa</i> , Clarke, S. Goldfields, 1860, p. 284; <i>id.</i> Bigsby, Thesaurus Sil. 1868, p. 91; <i>Spirigera</i> , M'Coy, Smyth's Progress Report, 1874, p. 34; <i>Atrypa</i> , Clarke, Remarks Sed. Form. N. S. Wales, 1875, 3rd ed. p. 12; <i>id.</i> de Koninck, Foss. Pal. Nouv.-Galles du Sud, 1876, p. 33. *Silurian Syst. 1839, p. 637, t. 20, f. 7; Davidson, *Mon. Brit. Sil. Brachiopoda, p. 136, t. 18, figs. 23 —30; de Kon. *Foss. Pal. Nouv.- Galles du Sud, 1876, p. 33.	Duntrroon, N. S. Wales.
C. <i>minima</i> , <i>J. de C. Sow.</i>	U. Sil. (Up. Lilandov.).	<i>Leptæna</i> , *Silurian Syst. 1839, p. 629, t. 13, f. 4; <i>Chonetes</i> , David- son, *Mon. Brit. Sil. Brachiopoda, p. 334, t. 49, figs. 15—19; M'Coy, Geol. Survey, Vict. 1 sheet 3, N.E. note; <i>id. ibid.</i> 1 sheet 4, S.W.; <i>id.</i> Smyth's Progress Rept. 1874, p. 34.	Bruce's Creek, nr. Mount Macedon? and Kilmore Ch. Vict.
C. <i>striatella</i> , <i>Dal- man.</i>	U. Sil. (Lud- low).	<i>Orthis</i> , *Kongl. Vet. Acad. Handl. 1827, p. 111, t. 1, f. 5, a—d; <i>Chonetes</i> , Davidson, *Mon. Brit. Sil. Brachiopoda, p. 331, t. 49, figs. 23—26; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 26.	Quadong, N. S. Wales.
Genus <i>Leptæna</i> , <i>Dalman</i> , 1828. (Kongl. Vet. Acad. Handl. för år 1827, p. 94.) <i>Clistenterata-Strophomenidae</i> .			
<i>L. minima</i> , <i>Sow.</i>		Vide <i>Chonetes minima</i> , <i>Sow.</i>	
<i>L. séricea</i> , <i>J. de C. Sow.</i>	U. Sil.	*Silurian Syst. 1839, p. 630, t. 19, figs. 1 and 2; Clarke, Quart. Jour. Geol. Soc. IV. p. 65; Da- vidson, *Mon. Brit. Sil. Brachiopoda, p. 323, t. 48, figs. 10—19.	Yarralumla, Mu- rray District, N. S. Wales.
<i>L. quinquecostata</i> , <i>M'Coy.</i>	U. Sil. (Up. Lilandov.).	<i>Orthis</i> , *Sil. Foss. Ireland, 1862, p. 33, t. 3, f. 8; Davidson, *Mon. Brit. Sil. Brachiopoda, p. 322, t. 48, figs. 23—27; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 26.	Yarralumla, N. S. Wales.
Genus <i>Leptagonia</i> , <i>M'Coy</i> , 1852. (Brit. Pal. Foss. p. 247 ¹ .) Vide <i>Strophomena</i> .			
<i>L. depressa</i> , <i>Dalman.</i>		Vide <i>Strophomena rhomboidalis</i> , Wilckens.	

¹ The name seems to have first appeared in the *Annals Nat. Hist.* 1851, VIII. p. 404.

(Brachiopoda.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Meristella</i> , <i>Hall</i> , 1860 ¹ . (Thirteenth Annual Report N. Y. State Cabinet, Nat. Hist. p. 74.)— <i>Clistenterata-Spiriferidae</i> .			
<i>M. tumida</i> , <i>Dalman</i> .	U. Sil. (Up. Llandov.).	<i>Atrypa</i> , *Kongl. Vet. Acad. Handl. för år 1827 (1828), p. 134, t. 5, f. 3; <i>Meristella</i> , Davidson, *Mon. Brit. Sil. Brach. 1867, p. 109, t. 11, figs. 1—13; <i>M. tumida</i> ? de Kon. *Foss. Pal. Nouv. Galles du Sud, 1876, p. 36.	Quadong, N. S. Wales.
Genus <i>Nucleospira</i> , <i>Hall</i> , 1859. (Pal. New York, III. p. 218 ² .) <i>Clistenterata-Spiriferidae</i> .			
<i>N. Australis</i> , <i>M'Coy</i> (ms.).	U. Sil. (May Hill Sand- stone).	Geol. Survey, Vict. $\frac{1}{2}$ sheet 3, N.E. note.	Bruce's Creek, nr. Mount Macedon, Vict.
Genus <i>Orthis</i> , <i>Dalman</i> , 1828. (Kongl. Vet. Acad. Handl. för år 1827, p. 96.) <i>Clistenterata-Strophomenidae</i> .			
<i>O. elegantula</i> , <i>Dal- man</i> .		M'Coy, Annals Nat. Hist. 1867, xx. p. 201; Davidson, *Mon. Brit. Sil. Brach. p. 211, t. 27, figs. 1—9; M'Coy, Smyth's Progress Rept. 1874, p. 34.	
<i>O. canaliculata</i> , <i>Lindström</i> .		Davidson, *Mon. Brit. Sil. Brach. p. 218, t. 27, figs. 12 and 13; de Kon. *Foss. Pal. Nouv. Galles du Sud, 1876, p. 32.	Bell River, N. S. Wales.
Genus <i>Pentamerus</i> , <i>J. Sowerby</i> , 1813 (Min. Con. I. p. 73*)— <i>Gypidia</i> , <i>Dalman</i> . <i>Clistenterata-Pentameridae</i> .			
<i>P. Australis</i> , <i>M'Coy</i> (ms.).		Annals Nat. Hist. 1867, xx. p. 199; Bigsby, Thesaurus Sil., 1868, p. 110; M'Coy, Smyth's Progress Rept. 1874, p. 34.	
<i>P. Knightii</i> , <i>J. Sow.</i>	U. Sil. (Lud- low).	*Min. Con. 1813, I. p. 73, t. 28; Davidson, *Mon. Brit. Sil. Brachiopoda, p. 142, t. 16, figs. 1—3, t. 17, figs. 1—10, t. 19, f. 3; de Kon. *Foss. Pal. Nouv. Galles du Sud, 1876, p. 30.	Mount Canobolas, N. S. Wales.
<i>P. oblongus</i> , <i>J. de C. Sow.</i>	U. Sil. (Up. Llandov.).	*Silurian Syst. 1839, p. 641, t. 19, f. 10, Davidson, *Mon. Brit. Sil. Brach. p. 151, t. 18, figs. 1—12, t. 19, figs. 1 and 2; Wood's Geol. Obs. S. Austr. 1862, p. 20; Clarke, Remarks Sed. Form. N. S. Wales, 3rd ed. 1875, p. 10; de Kon. *Foss. Pal. Nouv. Galles du Sud, 1876, p. 31.	Duntroon, N. S. Wales; 30 m. S. of Adelaide, S. Australia.

¹ In truth proposed in 1859 (12th Report, State Cabinet, p. 78), but only described in 1860, as above.² See also 12th Ann. Report N. Y. State Cab. Nat. Hist. 1859, p. 24.

(Brachiopoda.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Porambonites , <i>Pander</i> , 1830. (Beiträge Geog. Russ. Reiches, p. 95; <i>Davidson</i> , Introduction, p. 99.)— <i>Clistenterata-Rhynchonellidae</i> .			
P. <i>deformatus</i> , <i>Eichwald</i> .	U. Sil.	<i>Terebratula</i> , *Zool. Spec. 1829, i. p. 275, t. 4, f. 8; <i>Porambonites</i> , * <i>Letheea Rossica</i> , 1860, i. p. 796; <i>id. M'Coy</i> , in <i>Couchman's Progress Report</i> , 1877, iv. p. 155.	Chiltern, Vict.
Genus Retzia , <i>King</i> , 1850 (Permian Foss. p. 137)— <i>Spirigera</i> , <i>D'Orbigny</i> , 1849. <i>Clistenterata-Spiriferidae</i> .			
R. <i>mima</i> , <i>Salter</i> (ms.).	L. Sil.	<i>Bigsby</i> , <i>Thesaurus Sil.</i> 1868, p. 112.	Tasmania West.
R. <i>Salteri</i> , <i>Davidson</i> .	U. Sil. (Up. Llandov.).	<i>Terebratula</i> , * <i>Bull. Soc. Géol. de France</i> , 2nd ser. v. 1848, p. 331, t. 3, f. 31; <i>de Kon</i> , * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 34.	Yarralumla, N. S. Wales.
Genus Rhynchonella , <i>Fischer</i> , 1809 (Notice Foss. Gouv. Moscou, p. 35; <i>Davidson</i> , Introduction, p. 98)— <i>Hypothyris</i> , <i>Phillips</i> ; <i>Hemithyris</i> , <i>D'Orbigny</i> . <i>Clistenterata-Rhynchonellidae</i> .			
R. <i>borealis</i> , <i>Schlotheim</i> .	U. Sil.	<i>Terebratula</i> , System. Verzeich. Pet. Samm. 1832, No. 88, p. 65; <i>R. diodonta</i> , <i>Dalman</i> , * <i>Kongl. Vet. Acad. Handl.</i> 1828, p. 142, t. 6, f. 4; <i>R. borealis</i> , <i>Davidson</i> , * <i>Mon. Brit. Sil. Brach.</i> p. 174, t. 22, figs. 9—12; <i>R. diodonta</i> , <i>M'Coy</i> , <i>Geol. Survey</i> , Vict. $\frac{1}{2}$ sheet 3, N.E. note; <i>id. ibid. Annals Nat. Hist.</i> 1867, xx. p. 199; <i>Rhynconella</i> , <i>Bigsby</i> , <i>Thesaurus Sil.</i> 1868, p. 114; <i>Hemithyris diodonta</i> , <i>M'Coy</i> , <i>Smyth's Progress Rept.</i> 1874, p. 34.	Bruce's Creek, nr. Mount Macedon, Vict.
R. <i>subspheroidalis</i> , <i>M'Coy</i> (ms.).		<i>Geol. Survey</i> , Vict. $\frac{1}{2}$ sheet 4, S.W. note.	Near the Bald Hill, Kilmore, Vict.
Rhynch. <i>Wilsoni</i> , <i>J. Sowerby</i> .	U. Sil.	<i>Terebratula</i> , * <i>Min. Con.</i> 1816, ii. p. 38, t. 118, f. 3; <i>Rhynconella</i> , <i>Davidson</i> , <i>Annals Nat. Hist.</i> 1852, ix. pp. 250—53, t. 13; <i>id. ibid.</i> * <i>Mon. Sil. Brach.</i> 1867, pt. vii. No. 2, p. 167, t. 23, figs. 1—9; <i>id. M'Coy</i> , in <i>Couchman's Progress Report</i> , 1877, iv. p. 155.	Chiltern, Vict.
Genus Siphonotreta , <i>De Verneuil</i> , 1845. (Murchison's Geol. Russia, ii. p. 286.) <i>Tretenterata-Discinidae</i> .			
S. <i>micula</i> , <i>M'Coy</i> .	L. Sil.	* <i>Brit. Pal. Foss. Fascic.</i> 2, 1852, p. 188, t. 1 n, f. 3; <i>Ex. Essay</i> , 1861, p. 162; <i>Annals Nat. Hist.</i> 1862, ix. p. 139; <i>ibid.</i> 1867, xx. p. 201; <i>Bigsby</i> , <i>Thesaurus Sil.</i> 1868, p. 117; <i>M'Coy</i> , <i>Smyth's Progress Rept.</i> 1874, p. 33.	Deep Creek, Vict.

(Brachiopoda.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Spirifera</i> , J. Sowerby, 1816 ¹ (Min. Con. II. p. 41) = <i>Delthyris</i> , Dalman; <i>Brachythryris</i> , M'Coy; <i>Choristites</i> , Fischer; <i>Trigonotreta</i> , König. <i>Clistenterata-Spiriferidae</i> .			
<i>S. crispa</i> , Hisinger.	U. Sil. (Up. Llandov.).	<i>Terebratula</i> , *Kongl. Vet. Acad. Handl. för år 1826, t. 7, f. 4; <i>Spirifera</i> , Davidson, *Mon. Brit. Sil. Brach. p. 97, t. 10, figs. 13—15; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 35.	Rock-flat Creek, N. S. Wales.
<i>S. cyrtæna</i> , Dalman.	U. Sil.?	<i>Vide S. plicatella</i> , Linn.	
<i>S. plicatella</i> , Linn.		<i>Anomia</i> , Systema, 1758, 10th ed. p. 700; 1767, 12th ed. i. pt. 2, p. 1152; <i>Delthyris cyrtæna</i> , Dalman, *Kongl. Vet. Acad. Handl. 1828, p. 121, t. 3, f. 4; <i>Spirifera cyrtæna</i> , M'Coy, Geol. Survey, Vict. 1 sheet 4, S.W. note; <i>S. plicatella</i> , Davidson, *Mon. Brit. Sil. Brach. p. 84, t. 9, f. 12.	Kilmore Creek, Vict.
Genus <i>Strophomena</i> (Rafinesque, 1820?), Blainville, 1824. (Dict. Sc. Nat. xxxii. p. 302.) <i>Clistenterata-Strophomenidae</i> .			
<i>S. compressa</i> , J. de C. Sow.	U. Sil. (Up. Llandov.).	<i>Orthis</i> , *Silurian Syst. 1839, p. 638, t. 22, f. 12; <i>Strophomena</i> , Davidson, *Brit. Sil. Brach. p. 315, t. 46, figs. 7—10; <i>Leptæna</i> , de Kon. *Foss. Pal. Nouv.-Galles du Sud, p. 27.	Duntroon, N. S. Wales.
<i>S. depressa</i> , M'Coy.	U. Sil. (Up. Llandov.).	<i>Vide S. rhomboidalis</i> , Wilckens.	
<i>S. filosa</i> , J. de C. Sow.		<i>Orthis</i> , *Silurian Syst. 1839, p. 630, t. 13, f. 12; <i>Strophomena</i> , Davidson, *Mon. Brit. Sil. Brach. p. 307, t. 44, figs. 14—20; <i>S. filosa</i> ? de Kon. *Foss. Pal. Nouv.-Galles du Sud, p. 29.	Yass, N. S. Wales.
<i>S. pecten</i> , Linn.	U. Sil. (Up. Llandov.).	<i>Anomia</i> , Systema, 1767, 12th ed. i. pt. 2, p. 1152; <i>Strophomena</i> , Davidson, *Mon. Brit. Sil. Brach. p. 304, t. 43, figs. 1—11; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 28.	Yarralumla, N. S. Wales.
<i>S. rhomboidalis</i> , Wilckens.	U. Sil.	<i>Conchita</i> , Nach. v. Seltenen Verst. 1769, p. 79, t. 8, figs. 43 A, 44 A; Davidson, *Mon. Brit. Sil. Brach. p. 281, t. 39, figs. 1—21; <i>Leptæna</i> (<i>Leptagonia</i>) <i>depressa</i> , M'Coy, *Brit. Pal. Foss. Fasic. 2, 1852, p. 248; <i>Leptagonia</i> <i>depressa</i> , <i>ibid.</i> Annals Nat. Hist. 1867, xx. p. 201; <i>id. ibid.</i> Smyth's Progress Rept. 1874, p. 34; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 28.	Rock-flat Creek, N. S. Wales.

¹ Agassiz says 1816 (*Nomenclator Zoologicus*, p. 84); Bronn says 1818 (*Index Pal.* p. 1173); Davidson says 1815 (*Introd. Brachiopoda*, p. 79).

(Brachiopoda—Pelecypoda.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Trematospira</i> , <i>Hall</i> , 1859. (12th Ann. Report, State Cabinet New York, p. 27; Pal. New York, III. p. 207; <i>ibid.</i> 1867, Vol. IV. p. 271.)— <i>Clistenterata-Spiriferidae</i> .			
T. <i>formosa</i> , <i>Hall</i> .	U. Sil. (May Hill Sand-stone).	<i>l. c.</i> p. 215, t. 36, figs. 2 a—t; <i>M'Coy</i> , Geol. Survey, Vict. $\frac{1}{4}$ sheet 3, N.E. note.	Bruce's Creek, nr. Mount Macedon, Vict.
T. <i>lispleura</i> , <i>M'Coy</i> (ms.).	" "	Geol. Survey, Vict. $\frac{1}{4}$ sheet 3, N.E. note.	" "

Section—Mollusca proper.

Class—Pelecypoda (= Lamellibranchiata or Conchifera).

Genus *Ctenodonta*, *Salter*, 1852. (Brit. Ass. Rept. for 1851, pt. 2, p. 64.)
Vide *Tellinomya*, *Hall*.

C. <i>amygdala</i> , <i>Salter</i> (ms.).		} Vide <i>Tellinomya</i> , <i>Hall</i> .	
C. <i>antipoda</i> , <i>Salter</i> (ms.).			

Genus *Cyrtodonta*, *Billings*, 1858 (Geol. Survey, Canada, Report for 1857, p. 179)
= *Cypricardites* (pars), *Conrad*, 1841; *Palaearca*, *Hall*, 1859; *Megalomus*, *Hall*, 1863.
Arcacea-Arcidae.

C. <i>auriculata</i> , <i>Salter</i> (ms.).			
C. <i>compressa</i> , "			
C. <i>distorta</i> , "			
C. <i>gibbosula</i> , "			
C. <i>infata</i> , "			
C. <i>obliquata</i> , "			
C. <i>pinguis</i> , "			
C. <i>reversa</i> , "			

Genus *Orthonota*, *Conrad*, 1841. (5th Annual Rept. Pal. N. York, p. 50.)
Lucinacea-Solemyidae.

O. <i>amygdalina</i> , <i>J. de C. Sow.</i>	U. Sil.	<i>Cypricardia?</i> Murchison's *Sil. Syst. 1839, p. 609, t. 5, f. 2; <i>Leptodomus</i> , <i>M'Coy</i> , *Brit. Pal. Foss. p. 278; <i>Sanguinolites</i> , <i>Morris</i> , Cat. Brit. Foss. 2nd ed. 1854, p. 223; <i>Leptodomus</i> , <i>M'Coy</i> , Geol. Survey, Vict. $\frac{1}{4}$ sheet 4, S.W. note.	Kilmore and Broad-hurst Creeks, Vict.
O. <i>subrigida</i> , <i>M'Coy</i> (ms.).	U. Sil.	Geol. Survey, Vict. $\frac{1}{4}$ sheet 4, S.W. note.	" "

Genus *Palaearca*, *Hall*, 1859. (12th Ann. Report, State Cab. Nat. Hist. N. York, p. 9; Pal. N. York, 1859, III. pp. 271 and 523.) Vide *Cyrtodonta*, *Billings*.

<i>Palaearca</i> <i>auriculata</i> , <i>Salter</i> (ms.).			
P. <i>compressa</i> , P. <i>distorta</i> , P. <i>gibbosula</i> , P. <i>infata</i> , P. <i>obliquata</i> , P. <i>pinguis</i> , P. <i>reversa</i> , <i>Salter</i> (ms.).		} Vide <i>Cyrtodonta</i> , <i>Billings</i> .	

(Pelecypoda—Gasteropoda.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Pterinea</i> , <i>Goldfuss</i> , 1832. (Naturg. Atlasses, Th. iv. p. 73; Petrefacta Germ. ii. p. 133.)— <i>Mytilacea-Aviculidae</i> .			
<i>P. amplicata</i> , <i>Phil-lips</i> .	U. Sil. (Up. Llandov.).	<i>Avicula</i> , *Mems. Geol. Survey, 1858, i. pt. 1, p. 367, t. 23, f. 1; <i>id. Morris</i> , Cat. Brit. Foss. 2nd ed. 1854, p. 161; <i>Pterinea</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 1, p. 37.	Dangalong, N. S. Wales.
<i>P. pumila</i> , <i>de Koninck</i> .	" "	*Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 1, p. 38; <i>Atlas</i> , t. 1, f. 7.	Yarralumla, N. S. Wales.
Genus <i>Tellinomya</i> , <i>Hall</i> , 1847 (Pal. N. York, i. p. 151) = <i>Ctenodonta</i> , <i>Salter</i> , 1852; non <i>Tellinomya</i> , <i>L. Agassiz</i> (= <i>Tellima</i> , <i>Brown</i>).— <i>Arcacea-Nuculidae</i> ?			
<i>T. amygdala</i> , <i>Salter</i> (ms.).	L. Sil.	<i>Ctenodonta</i> , in <i>Bigsby's Thesaurus Sil.</i> 1868, p. 133.	Tasmania West.
<i>T. antipoda</i> , "	"	" " "	" "

Class—Gasteropoda.

Genus *Bellerophon*¹, *de Montfort*, 1808. (Conch. Systématique, i. p. 51.) *Nucleobr.-Atlantidae*.

<i>B. pugnus</i> , <i>Salter</i> (ms.).	L. Sil.	<i>Bigsby</i> , <i>Thesaurus Sil.</i> 1868, p. 144.	Tasmania West.
<i>B. Jukesii</i> , <i>de Koninck</i> .	U. Sil. (Up. Llandov.).	* <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 42; <i>Atlas</i> , t. 4, f. 2.	Rock-flat Creek, N. S. Wales.

Genus *Euomphalus*², *J. Sowerby*, 1814. (Min. Con. i. p. 97.)—*Prosobr.-Turbinidae*.

<i>E. talatus</i> , <i>Clarke</i> .		<i>S. Goldfields</i> , 1860, p. 288 (?= <i>E. talatus</i> , <i>Hisinger</i> , <i>Leth. Suec.</i> t. 11, f. 2).	
<i>E. pleurophorus</i> , <i>de Kon.</i>	U. Sil. (Lud-low).	* <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 40; <i>Atlas</i> , t. 1, f. 6.	<i>Yass</i> , N. S. Wales.
<i>E. sculptus</i> , <i>J. de C. Sowerby</i> .		* <i>Silurian System</i> , 1839, p. 626, t. 12, f. 17; <i>Sp. allied to</i> , <i>M'Coy</i> , <i>Geol. Survey</i> , Vict. $\frac{1}{4}$ sheet 4, S.W.	
<i>E. solarioides</i> , <i>de Kon.</i>	U. Sil. (Up. Llandov.).	* <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 39; <i>Atlas</i> , t. 1, f. 5.	Rock-flat Creek, N. S. Wales.

Genus *Eunema*, *Salter*, 1859. (Geol. Survey, Canada, Dec. i. pp. 24 and 29.) *Prosobr.-Litorinidae*.

<i>E. semula</i> , <i>Salter</i> (ms.).	L. Sil.	<i>Bigsby</i> , <i>Thesaurus Sil.</i> 1868, p. 152.	Tasmania West.
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¹ Notice was first drawn to shells constituting this genus by Baron de Hupsch, but the generic name was bestowed by de Montfort.

² *Euomphalus* versus *Straparollus*. Some authors consider these genera as synonymous, but Meek and Worthen propose to separate them, sub-generically at least, as typified by *E. pentangularis* and *S. Dionysi* respectively. (See their remarks, *Illinoian Survey Report*, ii. p. 158.)

A CATALOGUE OF AUSTRALIAN FOSSILS.

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(Gasteropoda.)		(Silurian.)	
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Helicotoma</i> , <i>Salter</i> , 1859. (Geol. Survey, Canada, Dec. 1. pp. 10 and 18.) <i>Prosobr.-Ianthinidae.</i>			
<i>H. Milligani</i> , <i>Salter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 154.	Tasmania West.
<i>H. pusilla</i> , <i>Salter</i> (ms.).	L. Sil.	" " " "	" "
Genus <i>Holopaea</i> , <i>Hall</i> , 1847. (Pal. N. York, 1. p. 169.)— <i>Prosobr.-?Haliotidae</i> or <i>Litorinidae.</i>			
<i>H. Mumia</i> , <i>Salter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 155.	Tasmania West.
Subgenus <i>Hormotoma</i> , <i>Salter</i> , 1859. (Geol. Survey, Canada, Dec. 1. pp. 18 and 22.) <i>Prosobr.-Pleurotomariidae.</i>			
<i>H. nerinæa</i> , <i>Salter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 156.	Tasmania West.
<i>H. usitata</i> , "	" "	" " " "	" "
Genus <i>Murchisonia</i> , <i>D'Archiac</i> and <i>De Verneuil</i> , 1841. (Bull. Soc. Géol. France, XII. p. 154.)— <i>Prosobr.-Pleurotomariidae.</i>			
<i>M. Franklini</i> , <i>Salter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 158.	Tasmania West.
<i>M. mimetica</i> , "	" "	" " " "	" "
Genus <i>Omphalotrochus</i> , <i>Meek</i> , 1864. (Geol. Survey Report, California, 1. Pal. p. 16.)— <i>Prosobr.-Turbinidae.</i>			
<i>O. Clarkei</i> , <i>de Koninck</i> .	U. Sil. (Ludlow).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 41; Atlas, t. 1, f. 7.	Yass, N. S. Wales.
Genus <i>Raphistoma</i> , <i>Hall</i> ¹ , 1847. (Pal. N. York, 1. p. 28.)— <i>Prosobr.-Ianthinidae.</i>			
<i>R. sterna</i> , <i>Salter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 165.	Tasmania West.
Genus <i>Scalites</i> (<i>Conrad</i> ms.), <i>Emmons</i> , 1842. (Geol. N. York, pt. 2, p. 812 ² .) <i>Prosobr.-Ianthinidae.</i>			
<i>S. Australis</i> , <i>Salter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 165.	Tasmania West.
Genus <i>Trochonema</i> , <i>Salter</i> , 1859. (Geol. Survey, Canada, Dec. 1. pp. 24 and 27.) <i>Prosobr.-Litorinidae.</i>			
<i>T. Bigsbyana</i> , <i>Salter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 166.	Tasmania West.

¹ According to Salter *Raphistoma*, *Hall*, *Helicotoma*, *Salt.*, and *Ophileta*, *Vanuxem*, are sub-genera of Conrad's genus *Scalites*.

² Figured (*S. angulatus*, Con. ms.) but not described.

(Pteropoda—Cephalopoda.)

(Silurian.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Class—Pteropoda. Section—Thecosomata.</i>			
<i>Genus Conularia (Miller), J. Sowerby, 1820¹. (Min. Con. III. p. 107.)—Hyaleidae.</i>			
C. Sowerbii, <i>De france.</i>	U. Sil. (Up. Llandov.).	Blainville, *Man. de Malacol. 1825, I. p. 378, Atlas, pl. 14, f. 2; de Verneuil and Keyserling, *Geol. Russia, Vol. II. Pal. p. 348, t. 24, f. 5; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 43.	Rockflat Creek, N. S. Wales.

<i>Genus Tentaculites, Schlotheim, 1820. (Petrefactenkunde, p. 877.)—Hyaleidae.</i>			
T. annulatus, <i>Clarke.</i>		S. Goldfields, 1860, p. 286; (? <i>T. annulatus</i> , Schl. l. c. p. 377, t. 29, f. 8.)	
T. ornatus, <i>Clarke.</i>		S. Goldfields, 1860, p. 286; (? <i>T. ornatus</i> , Sow. *Sil. Syst. 1839, p. 628, t. 12, f. 35.)	
T. tenuis, <i>Clarke.</i>		<i>l. c. p. 286</i> ; (? <i>T. tenuis</i> , Sow. *Sil. Syst. 1839, p. 613, t. 5, f. 33.)	

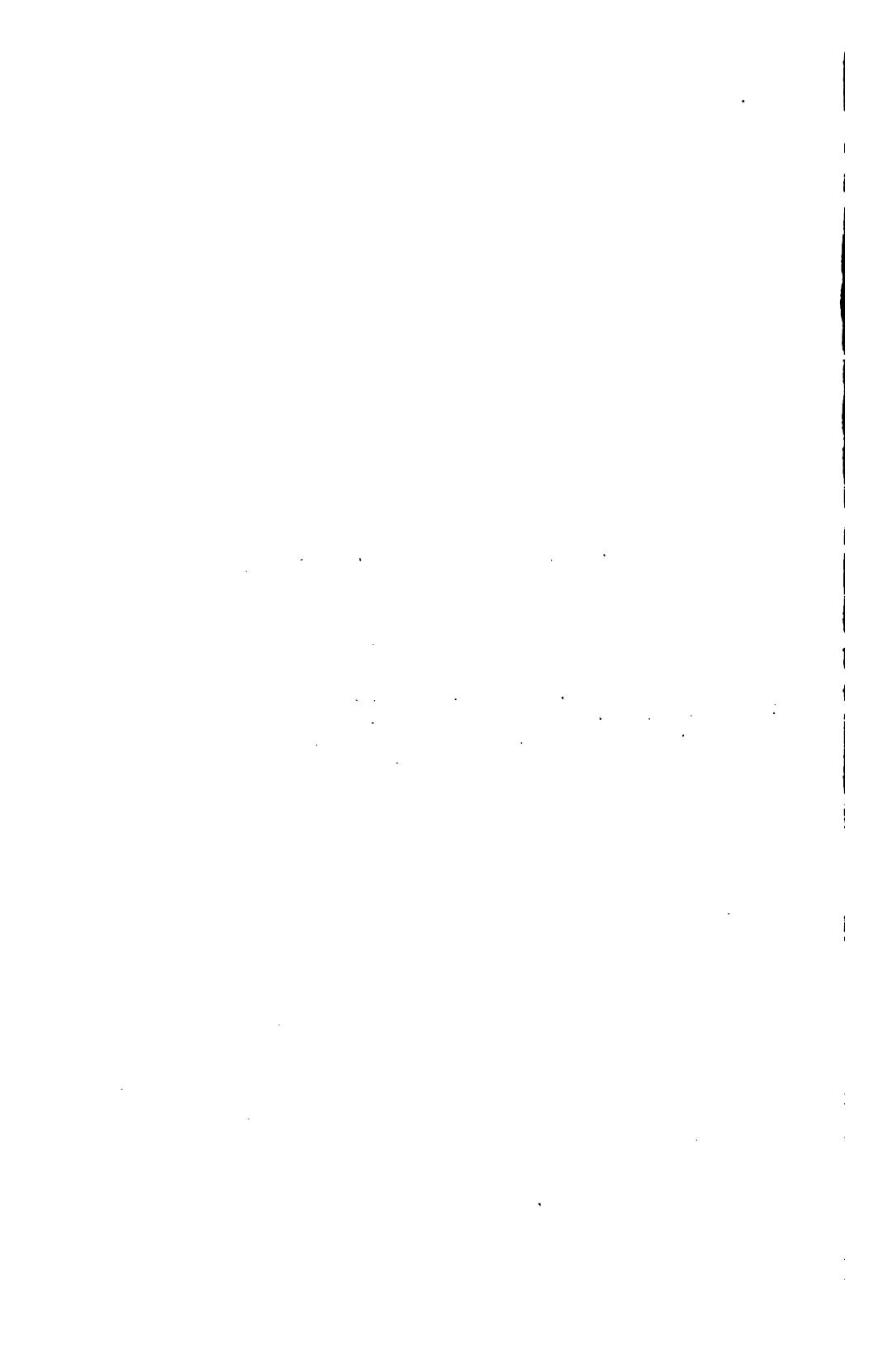
Class—Cephalopoda.

<i>Genus Lituites, Breynius, 1732 (Dissert. de Polythal. pp. 12 and 25.) Tetrabranch.-Nautilidae.</i>			
L. Gouldii, <i>Salter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 174.	Tasmania West.
<i>Genus Orthoceras, Breynius, 1732 (Dissert. de Polythal. pp. 12 and 28) =Loxoceras, M'Coy.—Tetrabranch.-Orthoceratidae.</i>			
O. antilope, <i>Salter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 176.	Tasmania West.
O. bullatum, <i>J. de C. Sowerby.</i>	U. Sil. (Lud. low).	*Silurian Syst. 1839, p. 705, t. 5, f. 29; M'Coy, Ex. Essay, 1861, p. 162; <i>id. Annals Nat. Hist.</i> 1862, IX. p. 140; <i>id. ibid.</i> 1867, xx. p. 198; Bigsby, Thesaurus Sil. 1868, p. 176; M'Coy, Smyth's Progress Rept. 1874, p. 34.	Melbourne, Vict.
O. Murchisoni, <i>Sal- ter</i> (ms.).	L. Sil.	Bigsby, Thesaurus Sil. 1868, p. 179.	Tasmania West.
O. Theca, <i>Salter</i> (ms.).	"	" " " p. 182.	" "
O. Youngii, <i>Salter</i> (ms.).	"	" " " "	" "
O. ibex, <i>J. de C. Sowerby.</i>	U. Sil. (Up. Llandov.).	*Silurian Syst. 1839, p. 613, t. 5, f. 30; Salter, Murchison's Silu- ria, 1867, 4th ed. t. 29, figs. 3 and 4; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 44.	Rockflat Creek, N. S. Wales.

¹ Bronn and Morris agree in assigning the date 1818 to this genus; Agassiz, on the other hand, says 1820; the latter is correct.

MIDDLE AND UPPER PALÆOZOIC.

(DEVONIAN AND CARBONIFEROUS.)



(Plantæ.)	(Mid. and Up. Palæozoic.)		
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Kingdom—Plantæ. (Cryptogamia et Phanerogamia.)</i>			
<i>Genus Adiantites, Goppert, 1836. (Syst. Sil. Foss. pp. 178 and 216; Adiantites, Schimper, Traité de Pal. Vég. 1869, I. p. 424.)—Filices-Neuropteridae.</i>			
A. eximius, Bunbury (ms.).	U.Pal. (Carb. = L. Coal measures).	Clarke, Remarks Sed. Form. N. S. Wales, 3rd ed. 1875, p. 31.	N. S. Wales.
<i>Genus Alethopteris, Sternberg, 1825. (Flora du Monde Prim. 1826, fas. 4, p. xxi.; Schimper, Traité de Pal. Vég. 1869, I. p. 554.)—Filices-Pecopteridae.</i>			
A. lonchitica, Brongniart.	U.Pal. (Carb. = L. Coal measures).	Pecopteris, *Hist. Végétaux Foss. 1828, I. p. 275, t. 84, figs. 1—7; A. lonchitidis, Sternberg, *Flora d. Vorwalt, 1825, fas. 4, p. xxi.; A. lonchitica, Schimper, *Traité Pal. Vég. 1869, I. p. 554; <i>id.</i> Clarke, Remarks Sed. Form. N. S. Wales, 1875, 3rd ed. p. 31.	N. S. Wales.
<i>Genus Aneimites, Dawson, 1861. (Quart. Jour. Geol. Soc. XVII. p. 5; Foss. Plants Dev. and Sil. For. Canada, 1871, p. 48; Schimper, Traité de Pal. Vég. 1874, III. p. 489.)—Filices-Neuropteridae.</i>			
A. Iguanensis, M'Coy.	Mid. Pal. (U. Dev.=Igu- ana Creek beds).	Smyth's Progress Report, 1875, p. 78; Couchman's <i>ibid.</i> 1877, IV. pp. 155, 156.	Iguana Creek, Vict.
<i>Genus Archæopteris, Dawson, 1863. (Canadian Nat. VIII. (!); Foss. Plants Dev. and Up. Sil. For. Canada, 1871, p. 48.)—Filices-Neuropteridae.</i>			
A. Howitti, M'Coy.	Mid. Pal. (U. Dev.=Igu- ana Creek beds).	Smyth's Progress Report, 1875, II. p. 73; <i>ibid.</i> 1876, III. p. 62; Couchman's <i>ibid.</i> 1877, pp. 155, 156; *Geol. Survey, Vict. Dec. IV. p. 21, t. 36, f. 1—2 a.	Iguana Creek, Vict.
<i>Genus Bornia, F. A. Roemer, 1850. (Palæontographica, III. p. 45; Schimper, Traité de Pal. Vég. I. p. 384.)—Equisetaceæ.</i>			
B. radiata, Brongniart.	U.Pal. (Carb. = Lr. Ma- rine beds, and L. Coal measures).	Calamites, *Hist. Vég. Foss. 1828, I. p. 122, t. 26, f. 1 and 2; Bornia, Schimper, *Traité Pal. Vég. 1869, I. p. 385, t. 24, f. 1—10; de Koninck, Foss. Pal. Nouv.-Galles d. Sud, 1877, pt. 3, p. 142, t. 7, f. 1.	N. S. Wales.

(Plante.)	(Mid. and Up. Palæozoic.)		
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Calamites</i> , <i>Suckow</i> , 1794. (Acta Acad. Theod.-Palat. v. p. 355; Schimper, Traité de Pal. Vég. 1869, i. p. 292.)— <i>Equisetaceæ</i> .			
<i>C. varians</i> , <i>Sternberg</i> .	U.Pal.(Carb. =Lr. Ma- rine beds and L.Coal measures).	Flora du Monde Prim. II. p. 50, t. 12; Germar. *Versteiner. Stein- koh. Wettin. u. Löbejün. p. 47, t. 20; de Koninck, Foss. Pal. Nouv. Galles du Sud, 1877, pt. 3, p. 142. (<i>C. approximatus</i> , Schimper, Traité de Pal. Vég. 1869, i. p. 314.)	<i>N. S. Wales</i> .
Genus <i>Cordaites</i> , <i>Unger</i> , 1850. (Gen. et Sp. Plantarum, 2nd ed. p. 277; Grand'Eury, Flore Carbonif. Départ. de la Loire, 1877, pt. 1, p. 208.)— <i>Cycadaceæ</i> .			
<i>C. Australis</i> , <i>M'Coy</i> .	Mid. Pal. (U. Dev.=Igu- ana Creek beds).	Smyth's Progress Report, 1875, II. p. 73; <i>ibid.</i> 1876, III. p. 62; Couchman's <i>id.</i> 1877, IV. pp. 155, 156; *Geol. Survey, Vict. Dec. IV. 1876, p. 22, t. 36, f. 6 and 7.	Iguana Creek, Vict.
<i>C. sp. ind.</i>		Crepin, Bull. l'Acad. R. Belgique, 1875, XXXIX. p. 265.	
Genus <i>Glossopteris</i> ¹ , <i>Bronniart</i> , 1828. (Prodrome, p. 54; Histoire de Vég. Foss. p. 222; Schimper, Traité de Pal. Vég. 1869, I. p. 644; Feistmantel, Records, Geol. Survey India, 1878, IX. pt. 3, p. 71.)— <i>Filices-Dictyopterideæ</i> .			
<i>G. Browniana</i> , <i>Bronniart</i> .	U.Pal.(Carb. =Lr. Coal measures, with Ma- rine fau- na).	Prodrome, 1828, p. 54; <i>G. Brown- iana</i> var. <i>Australasiaca</i> , *His- toire, 1828, I. p. 223, t. 62; <i>G. Browniana</i> , Morris, Strze- lecki's *Phys. Descrip. N. S. Wales, 1845, p. 247, t. 6, f. 1; <i>id.</i> M'Coy, *Annals Nat. Hist. 1847, XX. p. 150; <i>id. ibid.</i> *Proc. R. Soc. V. D. Land, 1851, I. p. 307; Dana, *Geol. U.S. Expl. Expt. p. 716; Atlas, t. 14, f. 12? and 13; Plews, Mining Inst. Jour. 1858, VI. pt. 3, pl. 3; Bunbury, Quart. Jour. Geol. Soc. 1860, XVII. p. 330, t. 9, f. 1-4; Göppert, *Syst. Fil. Foss. p. 364, t. 21, f. 9 and 10; Unger, Gen. et Sp. 1850, p. 169; Schimper, *Traité de Pal. Vég. 1869, I. p. 645; Carruthers, Quart. Jour. Geol. Soc. 1872, XXVIII. p. 354; M'Coy, Smyth's Progress Report, 1874, p. 24; <i>id.</i> Geol. Survey, Vict. Dec. I. 1874, p. 34; Clarke, Remarks Sed. Forms N. S. Wales, 1875, 3rd ed. pp. 19-36; <i>G. Brown- iana</i> , var. <i>Australasiaca</i> , Feist- mantel, Records, Geol. Survey, India, 1876, IX. pt. 3, p. 72; <i>id.</i> <i>ibid.</i> IX. pt. 4, p. 124.	<i>N. S. Wales</i> .

¹ I am uncertain as to the number of species of *Glossopteris* found in the Carboniferous portion of the N. S. Wales coal-bearing rocks, but an enumeration of all the Australian species known to me will be found in the Secondary portion of the Catalogue (*post*).

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(Plantes.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Lepidodendron</i> , <i>Sternberg</i> , 1820. (Flora du Monde Prim. fas. 1, p. 25, fas. 4, p. x.; Schimper, Traité de Pal. Vég. 1870, II. p. 14.)— <i>Lycopodiaceæ</i> .			
<i>L. Australis</i> , <i>M'Coy</i> .	U.Pal.(Carb. = Avon R. Sand- stones).	<i>L. sp. ind.</i> Exhib. Essay, 1861, p. 163; <i>id.</i> Selwyn, Phys. Geogr. and Geol. Vict. 1866, pp. 10 and 16; <i>id.</i> M'Coy, Annals Nat. Hist. 1862, IX. p. 141; <i>id. ibid.</i> 1867, XX. pp. 197 and 198; <i>Lep. Australis</i> , Smyth's Progress Report, 1874, p. 34; <i>L. (Bergeria)</i> M'Coy, "Geol. Survey, Vict. 1874, Dec. I. p. 87, t. 9.	Avon R. Vict.
<i>L. nothum</i> , <i>Unger</i> .	M.Pal.(Dev.) U.Pal.(Carb. = Lr. Ma- rine beds).	*Denksch. k. Akad. Wien, 1856, XI. p. 175, t. 10, f. 4—8; Carruthers, "Quart. Jour. Geol. Soc. 1872, XXVIII. pp. 350, 353, t. 26, f. 1—5, f. 7—14; Schimper, "Traité de Pal. Vég. 1870, II. p. 31; Clarke, Sed. Formations N. S. Wales, 3rd ed. 1875, pp. 15 and 17. <i>Ulodendron Tem- pleri</i> , Clarke, Quart. Jour. Geol. Soc. 1848, IV. p. 61.	Mount Wyatt; Rye- dale, Mt. Lambie Range, Qu.
<i>L. rimosum</i> , <i>Stern- berg</i> .	U.Pal.(Carb. = Lr. Ma- rine beds).	Flora du Monde Prim. fas. 1, p. 25, t. 10, f. 1; Schimper, "Traité de Pal. Vég. 1870, II. p. 38; Clarke, Remarks Sed. Form. N. S. Wales, 1875, 3rd ed. p. 17.	Rouchel River.
<i>L. Veltheimianum</i> , <i>Sternberg</i> .	U.Pal.(Carb. = Lr. Ma- rine beds).	Flora du Monde Prim. fas. 4, 1825, p. xii. t. 52, f. 3; Schimper, "Traité de Pal. Vég. 1870, II. p. 29; de Koninck, Pal. Foss. Nouv. Galles du Sud, 1877, pt. 3, p. 142.	
<i>L. sp. ind.</i>	Upper Pal. (Carb.?).	Stutchbury, Parl. Blue Book, Dec. 1854, p. 20, cut.	Oaky Creek, near Cobadah, N. S. Wales.

Genus *Leptophleum*, *Dawson*, 1862. (Quart. Jour. Geol. Soc. XVIII. p. 316.)
Lycopodiaceæ.

<i>L. rhombicum</i> , <i>Dawson</i> .	M.Pal.(Dev.)	*loc. cit. p. 316, t. 12, f. 8; t. 17, f. 153; *Foss. Plants, Dev. and Up. Sil. Form. Canada, 1871, p. 36, t. 8, f. 88 and 89; Daintree, Quart. Jour. Geol. Soc. 1872, XXVIII. p. 289; Carruthers, "ibid. p. 353.	Mount Wyatt; Can- oona and Broken River, Qu.
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Genus *Phyllotheca*¹, *Brongniart*, 1828. (Prodrome, p. 151; Schimper, Traité de Pal. Vég. 1869, I. p. 288.)—*Equisetaceæ*?

<i>P. Hookeri</i> , <i>M'Coy</i> .	U.Pal.(Carb. = L. Coal measures).	*Annals Nat. Hist. 1847, XX. p. 157, t. 11, f. 4—7; Proc. R. Soc. V. D. Land, 1851; I. p. 313,
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¹ For further species of this genus see the Secondary or Mesozoic portion of the Catalogue.

(Plants.)	(Mid. and Up. Palaeozoic.)		
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		t. 11, f. 4—7; Unger, Gen. et Sp. 1850, p. 73; Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 8; Clarke, S. Goldfields, 1860, p. 285; de Zigno, "Fl. Foss. Form. Ool. 1856—68, i. p. 59; Schimper, Traité de Pal. Vég. 1869, i. p. 289. (? <i>Calamites</i> or <i>Equisetum</i> , Feistmantel, Records, Geol. Survey, India, 1876, ix. pt. 3, p. 70.)	
Genus <i>Sphenopteris</i> , Brongniart, 1828. (Prodrome, p. 50; Hist. Vég. Foss. p. 169; Schimper, Traité Pal. Vég. i. 1869, p. 367.)— <i>Filices-Sphenopteridæ</i> .			
<i>S. Iguanensis</i> , M'Coy.		*Geol. Survey, Vict. Dec. iv. 1876, p. 22, t. 36, f. 3—5 a; Couchman's Progress Report, 1877, iv. p. 158.	Iguana Creek, Vict.
Genus <i>Syringodendron</i> , Sternberg, 1824. (Flora du Monde Prim. fas. 3, p. 28, fas. 4, p. xxiv.; Brongniart, Hist. Vég. Foss. 1828, p. 479.)— <i>Lycopodiaceæ</i> .			
<i>S. dichotomum</i> , Haughton.	U.Pal.(Carb. =Lr. Marine beds).	<i>Sigillaria</i> , Jour. Geol. Soc. Dublin, vi. p. 234; <i>Cyclostigma Kiltorkense</i> , Annals Nat. Hist. 1860, v. p. 444; <i>Syringo dichotomum</i> , Carruthers, Quart. Jour. Geol. Soc. 1872, xxviii. p. 354; <i>id.</i> Clarke, Remarks Sed. Form. N. S. Wales, 1875, 3rd ed. p. 17.	Rouchel R.
Genus <i>Ulodendron</i> , Lindley and Hutton, 1831 (Fossil Flora, i. p. 22; Schimper, Traité de Pal. Vég. 1870, ii. p. 38)= <i>Bothrodendron</i> , L. and H., <i>Megaphyton</i> , Artis.— <i>Lycopodiaceæ</i> .			
<i>U. Templeri</i> , Clarke.		Vide <i>Lepidodendron notum</i> , Unger.	

Notes: (a) *Lepidodendron*. This genus appears to have been found in Australia at an early date by the explorer Leichhardt, on the Manilla River, borders of Queensland, and by Stutchbury on the Stortton River (Parl. B. B. Dec. 1854). The Rev. W. B. Clarke reports specimens of *Lepidodendron* from the Peel River; near Goonoogooonoo; to the W. of Bathurst, Wellington Valley; and Canoona on the Fitzroy or Mackenzie River. (Quart. Jour. Geol. Soc. xvii. p. 356; S. Goldfields, p. 285; also see Keene, "On the Coal Measures of N. S. Wales, with *Spirifer*, *Glossopteris*, and *Lepidodendron*," Quart. Journ. xx. p. 187.)

(b) *Syringodendron*. Mr Carruthers observed in a collection of plants forwarded to the Geological Society of London by the Rev. W. B. Clarke, a fragment of a Lepidodendroid plant which he could not distinguish from *S. (Cyclostigma) Kiltorkense*. Haughton (Quart. Jour. xxviii. p. 354).

(c) *Sagenaria*. A fragment in the Daintree Collection appeared to indicate, to Mr Carruthers, a third species of Lepidodendron, allied to *S. (Lepidodendron) obovata*. Eichwald (l.c.).

(d) *Calamites*, *Stigmaria*, &c. It is to be noted that the Rev. W. B. Clarke states that *Stigmaria*, *Sigillaria*, *Halonia* and *Calamites* are common in the Carboniferous rocks of N. S. Wales. (Quart. Jour. iv. p. 60.)

(e) *Coniferous Trees*. Trunks of Conifers were found by the same observer on the coast of N. S. Wales at Wanniwarrie in the same beds with *Spirifer* (Quart. Jour. iv. p. 60; see also Nicol, Edinburgh New Phil. Jour. 1832, iv. p. 153; Dana, Geol. U. S. Exploring Exp. p. 714).

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(*Rhizopoda—Actinozoa.*)

(*Mid. and Up. Palaeozoic.*)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Kingdom—*Animalia*. *Sub-kingdom*—*Protozoa*. *Class*—*Rhizopoda*.

Genus Archocyathus, Billings, 1861. (Geol. Survey, Canada, Pal. Foss. 1. p. 8.)
Hexactinellidae—Euretidae.

<i>A.?</i> <i>Clarkei,</i> <i>de Koninck.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 60, Atlas, t. 2, f. 1.	<i>Yass, N. S. Wales.</i>
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Genus Stromatopora, Goldfuss, 1826 (see p. 8).

<i>S. concentrica,</i> <i>Goldfuss.</i>	Mid. Pal. (M. Dev.).	*Pet. Germania, 1826, 1. p. 22, t. 8, f. 5; Lonsdale, Silurian System, 1839, t. 15, f. 31; Phillips, *Pal. Foss. Devon. 1841, p. 18, t. 10, f. 28; M'Coy, "Brit. Pal. Foss. p. 65; <i>id.</i> Couchman's Progress Report, 1877, iv. p. 158.	<i>Bindi, Vict.</i>
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Sub-kingdom—*Cœlenterata*. *Class*—*Actinozoa*.

Genus Alveolites, Lamarck, 1801 (see p. 10).—Tabulata.

<i>A. Mackloti, Beyrich.</i>	U. Pal. (Carb.)	Abhandl. K. Akad. Wissensch. Berlin, 1865, xxxvi. p. 86, t. 2, f. 10 <i>a</i> and <i>b</i> .	Timor.
<i>A. obscurus,</i> <i>de Koninck.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 77, Atlas, t. 1, f. 11.	<i>Yass, N. S. Wales.</i>
<i>A. subæqualis, Ed- wards and Haime.</i>	Mid. Pal. (L. Dev.).	*Polyp. Foss. Terr. Pal. p. 256, t. 17, f. 4; <i>de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 77.	<i>Mowara, N. S. Wales.</i>

*Genus Amplexus, J. Sowerby, 1814¹ (Min. Con. 1. p. 165) = Cyathopsis, D'Orbigny.
Rugosa.*

<i>A. arundinaceus,</i> <i>Lonsdale.</i>	U. Pal. (Carb.)	*Strzelecki's Phys. Descr. N. S. Wales, 1845, p. 267, t. 8, f. 1; M'Coy, Annals Nat. Hist. 1847, xx. p. 228; Clarke, Quart. Jour. Geol. Soc. iv. p. 65; <i>id.</i> S. Goldfields, 1860, p. 285; Edw. and Haime, Polyp. Foss. Terr. Pal. p. 347; M. Edwards, Hist. Nat. Corall. 1860, p. 352; <i>de Koninck</i> , *Foss. Pal. Nouv.- Galles du Sud, 1877, pt. 3, p. 149.	Shoalhaven, Cur- radalla, N. S. Wales.
<i>A. Selwyni, de Koninck.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 73, Atlas, t. 2, f. 2.	<i>Yass, Quadong, N. S. Wales.</i>

¹ Agassiz gives the date of this genus as 1813, with the same reference.

(Actinozoa.)		(Mid. and Up. Palæozoic.)		
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.	
Genus <i>Axophyllum</i> , <i>M. Edwards</i> and <i>Haime</i> , 1850. (Mon. Brit. Foss. Corals, Introd. p. lxxii.)— <i>Rugosa</i> .				
A. ? <i>Thomsoni</i> , <i>de Koninck</i> , U.Pal.(Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 143, t. 5, f. 3.	Jarvis Bay, and Cochocolo, N. S. Wales.		
Genus <i>Billingsia</i> , <i>L. G. de Koninck</i> , 1876. (Foss. Pal. Nouv.-Galles du Sud, p. 75.) <i>Tabulata</i> .				
B. <i>alveolaris</i> , <i>de Koninck</i> , Mid. Pal. (L. Dev.).	*l.c. p. 75, Atlas, t. 2, f. 4.	Yass, N. S. Wales.		
Genus <i>Calamopora</i> , <i>Goldfuss</i> , 1826. (Petrefacta Germ. i. p. 77.) Vide <i>Favosites</i> .				
C. sp. <i>ind.</i> (<i>Beyrich</i>).	Vide <i>Favosites</i> .			
Genus <i>Campophyllum</i> , <i>Edwards</i> and <i>Haime</i> , 1850. (Mon. Brit. Foss. Corals, Introd. p. lxviii.)— <i>Rugosa</i> .				
C. <i>flexuosum</i> , <i>Goldfuss</i> , Mid. Pal. (L. Dev.).	<i>Cyathophyllum</i> , *Petrefacta, i. p. 57, t. 17, f. 3; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 70.	Quadong, N. S. Wales.		
Genus <i>Cladochonus</i> , <i>M'Coy</i> , 1847 (Annals Nat. Hist. xx. p. 227) = <i>Jania</i> , <i>M'Coy</i> (non <i>Lamx.</i>)— <i>Tubulosa</i> ¹ .				
C. <i>tenuicollis</i> , <i>M'Coy</i> , U.Pal.(Carb.)	*loc. cit. p. 227, t. 11, f. 8; *Proc. R. Soc. V. D. Land, 1851, i. p. 814, t. 11, f. 9; <i>Young of Syringopora</i> , <i>Edw. and Haime</i> , Polyp. Foss. Terr. Pal. p. 296; <i>id. ibid.</i> Mon. Brit. Carb. Corals, 1852, p. 164; <i>Young Syringopora</i> , <i>M. Edwards</i> , Hist. Nat. Corall. 1860, iii. p. 296; <i>Clad. tenuicollis</i> , <i>de Koninck</i> , Nouv. Rech. Terr. Carb. Belgique, 1872, p. 152, note 2; <i>id. ibid.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 154, t. 7, f. 2.	Dunvegan and Burrugood, N. S. Wales.		
Genus <i>Clisiophyllum</i> , <i>Dana</i> , 1846. (Zoophytes, U. S. Explor. Exped. p. 361; <i>Edwards</i> and <i>Haime</i> , Mon. Brit. Foss. Corals, Introd. 1850, p. lxx. <i>Edwards</i> , Hist. Nat. Corall. 1860, iii. p. 402.)— <i>Rugosa</i> .				
C. <i>Australis</i> , <i>Beyrich</i> , U.Pal.(Carb.)	*Abhandl. K. Akad. Wissensch. Berlin, 1865, xxxvi. p. 85, t. 2, f. 7 a and b, f. 8 a and b, f. 9; <i>de Koninck</i> , Mém. de Paléontologie, 1857—71, viii. p. 78.	Timor.		

¹ Messrs *M. Edwards* and *J. Haime* refer the genus *Cladochonus* to the order *Alcyonaria* (*Mon. Brit. Foss. Corals*, 1850, Introd. p. lxvii.), but Prof. *de Koninck* places it in the *Tubulosa*.

(Actinozoa.)

(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Coenites</i> , <i>Eichwald</i> , 1829 (Zoologia Spec. I. p. 179; Edw. and Haime, Polyp. Foss. Terr. Pal. 1851, p. 301) = <i>Limaria</i> , Stein.— <i>Tabulata</i> .			
<i>C. expansus</i> , <i>de Koninck</i> .	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 74, t. 2, f. 3.	Yass, N. S. Wales.
Genus <i>Cyathaxonia</i> , <i>Michelin</i> , 1846. (Icon. Zooph. pp. 253 and 258.)— <i>Rugosa</i> .			
<i>C. minuta</i> , <i>de Koninck</i> .	U. Pal. (Carb.).	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 153, t. 5, f. 10.	Burrugood, N. S. Wales.
Genus <i>Cyathophyllum</i> , <i>Goldfuss</i> , 1826 (see p. 11).— <i>Rugosa</i> .			
<i>C. Damnoniense</i> , <i>Lonsdale</i> .	Mid. Pal. (L. Dev.).	<i>Cyathophyllum</i> , Trans. Geol. Soc. 2nd ser. v. p. 703, t. 58, f. 11; <i>Cyathophyllum</i> , Ed. and H. *Mon. Brit. Dev. Corals, 1853, p. 225, t. 50, f. 1; <i>de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 72.	Yarralumla, N. S. Wales.
<i>C. helianthoides</i> , <i>Goldfuss</i> .	Mid. Pal. (L. Dev.).	* <i>Petrefacta</i> , I. p. 61, t. 20, f. 2; Ed. and H. *Mon. Brit. Dev. Corals, 1853, p. 227, t. 51, f. 1; <i>de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 72.	Yass, N. S. Wales.
<i>C. inversum</i> , <i>de Koninck</i> .	Up. Pal. ? (Carb.?).	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 146, t. 5, f. 4.	Colooco, N. S. Wales.
<i>C. Leichhardtii</i> , <i>Clarke</i> .		*Leichhardt's Jour. Overland Exp. Aust. 1847, p. 212.	Burdekin R. about Lat. 19° 58' 11" S. Qu.
<i>C. obtortum</i> , <i>Edw.</i> and <i>Haime</i> .	Mid. Pal. (L. Dev.).	*Polyp. Foss. Terr. Pal. p. 366; *Mon. Brit. Dev. Corals, 1853, p. 225, t. 49, f. 7; <i>de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 71.	Yass, N. S. Wales.
<i>C. vermiculare</i> , <i>Goldfuss</i> .	Mid. Pal. (L. Dev.).	* <i>Petrefacta</i> , I. p. 58, t. 17, f. 4; <i>de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 70.	Calalamine and Yarralumla, N. S. Wales.
<i>C. sp. ind.</i>	U. Pal. (Carb.).	Beyrich, Abhandl. K. Akad. Wissensch. Berlin, 1865, xxxvi. p. 58, t. 2, f. 5 and 6.	Timor.
Genus <i>Favosites</i> , <i>Lamarck</i> , 1816 (see p. 11).— <i>Tabulata</i> .			
<i>F. alveolaris</i> , <i>Goldfuss</i> .	Mid. Pal. (L. Dev.).	<i>Calamapora</i> , * <i>Petrefacta</i> , I. p. 77, t. 26, f. 1; <i>Favosites</i> , Edw. and Haime, * <i>Polyp. Foss. Terr. Pal.</i> p. 234; <i>de Kon.</i> * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 79.	Calalamine, N. S. Wales.
<i>F. basaltica</i> , <i>Goldfuss</i> .	Mid. Pal. (L. Dev.).	<i>Calamapora</i> , * <i>Petrefacta</i> , I. p. 78, t. 26, f. 4; <i>Favosites</i> , Edw. and Haime, * <i>Polyp. Foss. Terr. Pal.</i> p. 236; <i>de Kon.</i> * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 78.	Calalamine, N. S. Wales.

(Actinozoa.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Favosites fibrosa</i> , <i>Goldfuss.</i>	Mid. Pal. (L. Dev.).	<i>Calamapora</i> , "Petrefacta, i. p. 82, t. 28, f. 3 a and b; <i>Favosites</i> , Edw. and H. "Mon. Brit. Dev. Corals, 1853, p. 217, t. 48, f. 3 a and b; de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1876, p. 81.	Quadong, N. S. Wales.
<i>F. Goldfussii</i> , <i>D'Orbigny.</i>	Mid. Pal. (L. Dev.).	Prod. d. Pal. 1849, i. p. 107; <i>Favosites</i> , Edw. and H. "Polyp. Foss. Ter. Pal. 1851, p. 235, t. 20, f. 3; <i>id. ibid.</i> "Mon. Brit. Dev. Corals, 1853, p. 214, t. 47, f. 3 a—c; <i>F. Gothlandica</i> ? Lonsdale, Strzelecki's Phys. Descr. N. S. Wales, 1845, p. 266; <i>F. Goldfussii</i> , Smyth, Progress Rept. 1876, iii. p. 63; <i>id. de Koninck</i> , "Foss. Pal. Nouv.-Galles du Sud, 1876, p. 78; <i>id. M. Edwards</i> , Hist. Nat. Corall. 1860, iii. p. 248; <i>F. Gothlandica</i> , Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, ii. p. 91; <i>F. Goldfussi</i> , M'Coy, Geol. Survey, Vict. Dec. iv. 1876, p. 15, t. 35, f. 1 a—d; <i>id. Couchman's</i> Progress Rep. 1877, iv. pp. 16 and 158.	Yaralumla; Yass Plains, N. S. Wales. Buchan, Gippsland, Vict.
<i>F. ovata</i> , <i>Lonsdale.</i>	U. Pal. (Carb.)	<i>Stenopora</i> , Darwin's "Geol. Obs. Volc. Islands, 1844, p. 163; <i>id. Strzelecki's</i> "Phys. Descrip. N. S. Wales, 1845, p. 263, t. 8, f. 3 a and b; <i>id. M'Coy</i> , Annals Nat. Hist. 1847, xx. p. 227; <i>Chonetes</i> , Dana, "Geol. U. S. Expl. Expd. p. 712, Atlas, t. 11, f. 9; <i>Chonetes</i> ? Edwards and Haime, Polyp. Foss. Terr. Pal. p. 273; <i>Monticulipora tumida</i> (pars), de Koninck, Nouv. Rech. Terr. Carb. Belgique, p. 143; <i>F. ovata</i> , <i>id. "Foss. Pal. Nouv.-Galles du Sud</i> , 1877, pt. 3, p. 156, t. 3, f. 5; <i>Stenopora</i> , Darwin, "Geol. Observations, 2nd ed. 1876, p. 179.	Darlington, Harper's Hill, Glen William, and Burrabood, N. S. Wales; Mounts Wellington and Dromedary, Tas.
<i>F. polymorpha</i> , <i>Goldfuss.</i>	Mid. Pal. (L. Dev.).	<i>Calamapora</i> , "Petrefacta, i. p. 79, t. 27, figs. 2—5; <i>Favosites</i> , Edw. and Haime, "Polyp. Foss. Terr. Pal. p. 237; de Kon. "Foss. Pal. Nouv.-Galles d. Sud, 1876, p. 79.	Macleay R.
<i>F. reticulata</i> , <i>Blainville.</i>	Mid. Pal. (L. Dev.).	<i>Alveolites</i> , Dict. Sc. Nat. 1830, lx. p. 309; <i>Favosites</i> , Ed. and H. "Mon. Brit. Dev. Corals, 1853, p. 215, t. 48, f. 1 a and b; de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1876, p. 80.	Yass, N. S. Wales.

(Actinozoa.)

(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>F. sp. ind.</i>	U.Pal.(Carb.)	Beyrich, Abhandl. K. Akad. Wissenschr. Berlin, 1865, xxvi . p. 86, t. 2, f. 10 <i>a</i> and <i>b</i> .	Timor.
Genus <i>Fistulipora</i> , M'Coy, 1849. (Annals Nat. Hist. III. p. 180; Brit. Pal. Foss. 1851, p. 11.)— <i>Tabulata</i> .			
<i>F. Mulleri, Beyrich.</i>	U.Pal.(Carb.)	<i>Heliolites</i> , Abhandl. K. Akad. Wissenschr. Berlin, 1865, xxvi . p. 87, t. 2, f. 11 <i>a</i> — <i>c</i> .	Timor.
Genus <i>Heliolites</i> , Dana, 1846 (see p. 12).— <i>Tabulata</i> .			
<i>H. porosa, Goldfuss.</i>	Mid. Pal. (L. Dev.).	<i>Astrea</i> , *Petrefacta, I. p. 64, t. 21, f. 7; <i>Heliolites</i> , Edw. and H. *Mon. Brit. Dev. Corals, 1853, p. 212, t. 47, f. 1 <i>a</i> — <i>f</i> ; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 81.	Nowara, N. S. Wales.
<i>H. Mulleri, Beyrich.</i>		Vide <i>Fistulipora ? Mulleri</i> .	
Genus <i>Lithostrotion</i> , Lhwyd, 1760. (Lith. Brit. Ichnograph. 2nd ed. p. 125; Edwards and Haime, Polyp. Foss. Terr. Pal. p. 432.)— <i>Rugosa</i> .			
<i>L. basaltiforme, Con. and Phillip.</i>	U. Pal. (Carb.)	<i>Astrea</i> , Outlines Geol. England and Wales, 1822, pt. 1, p. 359; <i>Lithostrotion</i> , Edw. and Haime, *Mon. Brit. Carb. Corals, 1852, p. 190, t. 38, f. 3 <i>a</i> and <i>b</i> ; <i>id. de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 145, t. 5, f. 2.	Murrumbidgee R., N. S. Wales.
<i>L. irregulare, Phillip.</i>		<i>Lithodendron</i> , Geol. York, 1836, II. p. 202, t. 2, f. 14 and 15; <i>Lithostrotion</i> , Edw. and Haime, *Mon. Brit. Carb. Corals, 1852, p. 198, t. 41, f. 1 <i>a</i> — <i>c</i> ; <i>id. de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 144, t. 5, f. 1.	Piper's Creek, N. S. Wales.
Genus <i>Lophophyllum</i> , M. Edwards and J. Haime, 1850. (Mon. Brit. Foss. Corals, Introd. p. lxvi.)— <i>Rugosa</i> .			
<i>L. corniculum, de Koninck.</i>	U. Pal.(Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 148, t. 5, f. 6.	Colocolo, N. S. Wales.
<i>L. minutum, de Kon.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 147, t. 5, f. 5.	Burragood, N. S. Wales.
Genus <i>Lonsdaleia</i> , M'Coy, 1849 (Annals Nat. Hist. III. p. 11)= <i>Strombodes</i> , M'Coy (non Schweig.); <i>Lithostrotion</i> , Lonsdale (non Lhwyd).— <i>Rugosa</i> .			
<i>L. Australis, M'Coy.</i>	U. Pal. (Carb.)	<i>Strombodes</i> , *Annals Nat. Hist. 1847, xx . p. 227, t. 11, f. 9; <i>id. Proc. R. Soc. V. D. Land</i> , 1851, I. p. 314, t. 11, f. 9.	Dunvegan, N. S. Wales.

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(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Phillipsastrea</i> , <i>D'Orbigny</i> , 1849. (Prod. d. Pal. p. 107.) ¹ — <i>Rugosa</i> .			
P. Verneuilii, <i>Edw.</i> and <i>Haime</i> .	Mid. Pal. (L. Dev.).	*Polyp. Foss. Terr. Pal. p. 447, t. 10, f. 5; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 69.	Cope's Gully, near Hanging Rock, N. S. Wales.
Genus <i>Stenopora</i> , <i>Lonsdale</i> , 1844 ² . (Darwin's Geol. Obs. Volc. Islands, p. 161 note.) <i>Tabulata</i> .			
S. crinita, <i>Lonsdale</i> .	U.Pal.(Carb.)	Strzelecki's *Phys. Descrip. N. S. Wales, 1845, p. 265, t. 8, f. 5; M'Coy, Annals Nat. Hist. 1847, xx. p. 226; <i>id.</i> Proc. R. Soc. V. D. Land, 1851, l. p. 313; <i>Chætetes</i> , Dana, *Geol. U. S. Expl. Expld. p. 711, Atlas, t. 11, f. 7; <i>id.</i> Edw. and Haime, Polyp. Foss. Terr. Pal. p. 273; <i>id.</i> Edwards, Hist. Nat. Corall. 1860, iii. p. 272; <i>id.</i> Clarke, S. Goldfields, 1860, p. 285; <i>Stenopora</i> , Grange, Dumont d'Urville's Voyage au Pole Sud, Géologie, 1854, ii. p. 89.	Illawara, Wollongong, Harper's Hill, Darlington, N. S. Wales.
S. gracilis, <i>Dana</i> .	U.Pal. (Carb.)	<i>Chætetes</i> , *Geol. U. S. Expl. Expld. p. 712, Atlas, t. 11, f. 10.	Illawara and Wollongong, N. S. Wales.
S. informis, <i>Lonsdale</i> .	U.Pal. (Carb.)	Strzelecki's *Phys. Descrip. V. D. Land, 1845, p. 264, t. 8, f. 4; <i>Chætetes</i> <i>?</i> Edw. and Haime, Polyp. Foss. Terr. Pal. p. 274; <i>Stenopora</i> , Grange, Dumont d'Urville's Voy. au Pole Sud, Géologie, 1854, ii. p. 96.	Spring Hill, Tas.
S. ovata, <i>Lonsdale</i> .	U.Pal. (Carb.)	Vide <i>Favosites</i> .	Darlington and Harper's Hill, N. S. Wales.
S. Tasmaniensis, <i>Lonsdale</i> .		Darwin's *Geol. Obs. Volc. Is., 1844, p. 161; Strzelecki's *Phys. Descrip. N. S. Wales, 1845, p. 262, t. 8, f. 2; <i>Chætetes</i> , Dana, *Geol. U. S. Expl. Expld. p. 711, Atlas, t. 11, f. 7; <i>Stenopora</i> , Grange, Dumont d'Urville's Voyage au Pole Sud, Géologie, 1854, ii. pp. 93, 94, 95; <i>id.</i> Clarke, S. Goldfields, 1860, p. 285; <i>id.</i> M'Coy, Annals Nat. Hist. 1847, xx. p. 226; <i>Chætetes</i> , Edw. and Haime, Polyp. Foss. Terr. Pal. p. 274; <i>Monticulipora tumida</i> (pars), de Koninck, Nouv. Rech. Anim. Foss. Terr. Carb. Belgique, p. 143; <i>Stenopora</i> (<i>? Thamnopora</i>), Darwin, *Geol. Observations, 2nd ed. 1876, p. 178.	

¹ Edwards and Haime give the original reference as "Note sur des Polypiers Fossiles, 1840, p. 12."² Placed as a synonym of *Chætetes* by Edw. and Haime (Polyp. Foss. p. 261). It remains to be proved how many of the succeeding forms are, like *S. ovata*, species of the genus *Favosites*.

(Actinozoa.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Strombodes</i> , <i>M'Coy</i> (non Schweig.), 1849. (Annals Nat. Hist. III. p. 10.) Vide <i>Lonsdaleia</i> .			
S. <i>Australis</i> , <i>M'Coy</i> . Vide <i>Lonsdaleia Australis</i> .			
Genus <i>Syringopora</i> , <i>Goldfuss</i> , 1826 (see p. 14).— <i>Tabulata</i> .			
S. <i>anloporoides</i> , <i>de Koninck</i> .	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 76, Atlas, t. 8, f. 1.	Moara Creek, near Tamworth, N. S. Wales.
S. <i>ramulosa</i> , <i>Goldfuss</i> .	U. Pal. (Carb.)	*Petref. Germ. 1826, I. p. 76, t. 25, f. 7; Edwards and Haime, "Mon. Brit. Carb. Corals, 1852, p. 161, t. 46, f. 3 a—c; de Koninck, "Nouv. Rech. Anim. Foss. Terr. Carb. Belgique, 1872, p. 126, t. 12, f. 2; <i>id.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 156, t. 7, f. 4.	Burrugood, N. S. Wales.
S. <i>reticulata</i> , <i>Goldfuss</i> .	U. Pal. (Carb.)	*Petref. Germ. 1826, I. p. 76, t. 25, f. 8; Edwards and Haime, "Mon. Brit. Carb. Corals, 1852, p. 162, t. 46, f. 1; de Koninck, "Nouv. Rech. Anim. Foss. Terr. Carb. Belgique, 1872, p. 128, t. 11, f. 7 and t. 12, f. 1; <i>id.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 155, t. 7, f. 8.	Raymond Terrace, N. S. Wales.
Genus <i>Verticillopora</i> , <i>Defrance</i> , 1829. (Dict. Sci. Nat. LVIII. p. 5.)			
V. <i>spongoides</i> , <i>Clarke</i> (ms.).		S. Goldfields, 1860, p. 285.	
Genus <i>Zaphrentis</i> , <i>Rafinesque</i> and <i>Clifford</i> , 1820. (Ann. Sci. Phys. de Bruxelles, v. p. 284.) <i>Rugosa</i> .			
Z. <i>Cainodón</i> , <i>de Koninck</i> .	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 151, t. 5, f. 8.	Burrugood, N. S. Wales.
Z. <i>Gregoryana</i> , <i>de Koninck</i> .	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 150, t. 5, f. 7.	Jarvis Bay, and Colocolo, N. S. Wales.
Z. <i>Phillipsi</i> , <i>Edw.</i> and <i>Haime</i> .	U. Pal. (Carb.)	*Polyp. Foss. Terr. Pal. p. 232, t. 5, f. 1; *Mon. Brit. Carb. Corals, 1852, p. 168, t. 34, f. 2; de Koninck, "Nouv. Rech. Anim. Foss. Terr. Carb. Belgique, 1872, p. 96, t. 10, f. 2; Z. <i>Phillipsi</i> ? <i>id.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 149.	Colocolo, N. S. Wales.
Z. <i>robusta</i> , <i>de Kon.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 152, t. 5, f. 9.	Burrugood, N. S. Wales.
Z. ? <i>sp. ind.</i>	U. Pal. (Carb.)	Beyrich, Abhandl. K. Akad. Wissenschaft. Berlin, 1865, xxxvi. p. 85, t. 2, f. 4.	Timor.

(Echinodermata.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Sub-kingdom—Annuloida. Class—Echinodermata.</i>			
<i>Genus Actinocrinus, Miller, 1821. (Nat. Hist. Crinoidea, p. 94; de Koninck and le Hon. Rech. Crinoïdes Terr. Carb. Belgique, 1854, p. 123.) Crinoidea—Actinocrinidae.</i>			
<i>A. polydactylus, Miller.</i>	<i>U.Pal. (Carb.)</i>	* <i>loc. cit.</i> p. 103, t. 1, f. 1 and 2 (fig. cæt. exclusis); de Kon. and le Hon. * <i>Crinoïdes, Terr. Carb. Belgique</i> , p. 134, t. 4, f. 2; de Kon. * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1877, pt. 3, p. 160, t. 6, f. 3.	Glen William, N.S. Wales.
<i>Genus Cyathocrinus, Miller, 1821. (Nat. Hist. Crinoidea, p. 85; de Koninck and le Hon. Rech. Crinoïdes Terr. Carb. Belgique, 1854, p. 79.) Crinoidea—Cyathocrinidae.</i>			
<i>C. Konincki, W. B. Clarke.</i>	<i>U.Pal. (Carb.)</i>	? <i>Pentadia corona</i> , Dana, * <i>Geol. U. S. Expl. Expd.</i> p. 713, <i>Atlas</i> , t. 10, f. 10; <i>Cyathocrinus Konincki</i> , Clarke, ms.; <i>id. de Kon. *Foss. Pal. Nouv.-Galles du Sud</i> , 1877, pt. 3, p. 164, t. 6, f. 4.	Osterley, Hunter River, N. S. Wales.
<i>Genus Hypocrinus, Beyrich, 1862. (Zeit. Deuts. Geol. Gesellsch. xiv. p. 537.) Crinoidea.</i>			
<i>H. Schneideri, Beyrich.</i>	<i>U. Pal. (Carb.)</i>	? <i>loc. cit.</i> p. 537; <i>Abhandl. K. Akad. Wissensch. Berlin</i> , 1865, <i>xxxvi.</i> p. 83, t. 2, f. 16 a—c.	Timor.
<i>? Genus Pentadia, Dana, 1847. (American Jour. Sc. iv. p. 152.)</i>			
<i>P. corona, Dana.</i>	<i>U.Pal. (Carb.)</i>	? <i>loc. cit.</i> p. 152; <i>P. reniformis</i> , <i>P. spatangus</i> and <i>P. trigona</i> , Dana, <i>id. p. 152</i> ; <i>P. corona</i> , * <i>Geol. U. S. Expl. Expd.</i> p. 713, <i>Atlas</i> , t. 10, f. 11 and 12.	Illawara, N. S. Wales.
<i>Genus Platycrinus, Miller, 1821. (Nat. Hist. Crinoidea, p. 74; de Koninck and le Hon. Rech. Crinoïdes Terr. Carb. Belgique, 1854, p. 155.) Crinoidea—Platycrinidae.</i>			
<i>P. sp. ind.</i>	<i>U.Pal. (Carb.)</i>	? <i>Sp. allied to P. laevis</i> (Miller), de Kon. * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1877, pt. 3, p. 160, t. 6, f. 6.	Glen William and Burrugood, N. S. Wales.
<i>Genus Palæmaster, Hall, 1852 (see p. 14).—Asteroidea.</i>			
<i>P. Clarkei, de Koninck.</i>	<i>U.Pal. (Carb.)</i>	* <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1877, pt. 3, p. 166, t. 7, f. 6.	Russell's Shaft, W. Maitland District, N.S.Wales.

(Echinodermata.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Poteriocrinus</i> , <i>Miller</i> , 1821. (Nat. Hist. Crinoïdes, p. 67, de Koninck and le Hon. Rech. Crinoïdes Terr. Carb. Belgique, 1854, p. 84.) <i>Crinoidea-Cyathocrinidae.</i>			
P. sp. ind. (1).	U.Pal.(Carb.)	<i>Sp. allied to P. tenuis</i> (Miller), de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 159, t. 6, f. 7.	Burragood, N. S. Wales.
P. sp. ind. (2).	U.Pal.(Carb.)	<i>Sp. allied to P. radiatus</i> (Austin), de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 159, t. 6, f. 2.	Burragood, N. S. Wales.
Genus <i>Synbathocrinus</i> , <i>J. Phillips</i> , 1836. (Geol. York. II. p. 206; Hall, Iowa Geol. Report, 1858, I. pt. 2, p. 559; Meek and Worthen, Illinois Geol. Report, 1873, v. p. 324.) <i>Crinoidea.</i>			
S. ogivalis, <i>de Koninck</i> .	U.Pal.(Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 158, t. 6, f. 1.	Burragood, N. S. Wales.
Genus <i>Tribrachyocrinus</i> , <i>M'Coy</i> , 1847. (Annals Nat. Hist. xx. p. 228.) <i>Crinoidea-Cyathocrinidae.</i>			
T. Clarkei, <i>M'Coy</i> .	U.Pal.(Carb.)	*l. c. p. 228, t. 12, f. 2; *Proc. Roy. Soc. V. D. Land, 1851, I. p. 315, t. 12, f. 2; Clarke, S. Goldfields, 1860, p. 286; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 161, t. 6, f. 5.	Darlington and Raymond Terrace, N.S.Wales.

Sub-kingdom—Annulosa. Class—Crustacea.

Genus <i>Bairdia</i> , <i>M'Coy</i> , 1844. (Synopsis Carb. Foss. Ireland, p. 164; Brady, Trans. Zool. Soc. 1865, v. p. 363.)— <i>Ostracoda-Cypridae.</i>			
B. affinis, <i>Morris</i> .	U.Pal.(Carb.)	*Strzelecki's Phys. Descr. N. S. Wales, 1845, p. 291, t. 18, f. 10.	Booral, N. S. Wales.
B. curta, <i>M'Coy</i> .	U.Pal.(Carb.)	*Synopsis Carb. Foss. Ireland, 1844, p. 164, t. 23, f. 6; Annals Nat. Hist. 1847, xx. p. 229; Proc. R. Soc. V. D. Land, 1851, I. p. 316.	Dunvegan, N. S. Wales.
Genus <i>Brachymetopus</i> , <i>M'Coy</i> , 1847. (Annals Nat. Hist. xx. p. 229.)— <i>Trilobita.</i>			
B. Strzeleckii, <i>M'Coy</i> .	U.Pal.(Carb.)	*l. c. p. 231, t. 12, f. 1; *Proc. R. Soc. V. D. Land, 1851, I. p. 317, t. 12, f. 1; Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 3; v. Moeller, Bull. Soc. Imp. Nat. Moscow, 1867, xl. pt. 1, p. 190; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 352, t. 24, f. 10.	Dunvegan; Burragood; Glen William, N.S.Wales.

(Crustacea.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Cythere</i> , <i>O. F. Müller</i> , 1785. (Entom. seu Insecta Test. pp. 34 and 63.) <i>Ostracoda-Cytheridae.</i>			
<i>C. impressa</i> , <i>M'Coy</i> .	U.Pal.(Carb.)	*Synopsis, Carb. Foss. Ireland, 1844, p. 166, t. 23, f. 16; Annals Nat. Hist. 1847, xx. p. 229; Proc. R. Soc. V. D. Land, 1851, i. p. 316.	Dunvegan, N. S. Wales.
Genus <i>Entomis</i> , <i>Jones</i> , 1861 (see p. 16).			
<i>E. Jonesi</i> , <i>de Koninck</i> .	U.Pal.(Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 347, t. 24, f. 6.	Muree, N. S. Wales.
Genus <i>Griffithides</i> , <i>Portlock</i> , 1843. (Geol. Rept. Lond. p. 310.)— <i>Trilobita.</i>			
<i>G. dubius</i> , <i>Etheridge</i> .	U.Pal.(Carb.)	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 338, t. 18, f. 7.	Don River, Qu.
<i>G. Eichwaldi</i> , <i>Fischer</i> .	U.Pal.(Carb.)	<i>Asaphus</i> , in Eichwald's Geogn. Zool. per Ingriam marisque Balt. 1825, p. 54, t. 4, f. 4; <i>Phillipsia</i> , v. Moeller, Bull. Soc. Imp. Nat. Moscou, 1867, xl. pt. 1, p. 187; <i>Griffithides</i> , <i>de Kon</i> . *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 350, t. 24, f. 8 (for synonymy).	Upper William R. N. S. Wales.
Genus <i>Phillipsia</i> , <i>Portlock</i> , 1843 ¹ . (Geol. Report, Londonderry, p. 305.)— <i>Trilobita.</i>			
<i>P. parvula</i> , <i>Beyrich</i> .	U.Pal.(Carb.)	*Abhandl. K. Akad. Wissenschaft. Berlin, 1865, xxxvi. p. 87, t. 2, f. 17 a and b.	Timor.
<i>P. seminifera</i> , <i>Phillips</i> .	U.Pal.(Carb.)	<i>Asaphus</i> , *Geol. York, 1836, n. p. 240, t. 22, f. 8—10; <i>Phillipsia</i> , <i>M'Coy</i> , *Brit. Pal. Foss. p. 183; <i>id. Morris</i> , Cat. Brit. Foss. 2nd ed. 1854, p. 114; <i>id. v. Moeller</i> , Bull. Soc. Imp. Nat. Moscou, 1867, xl. pt. 1, p. 159; <i>id. de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 348, t. 24, f. 9 (for synonymy); ? = <i>Sp.</i> near <i>P. gemmifera</i> (Phil.), <i>M'Coy</i> , Annals Nat. Hist. 1847, xx. p. 231.	Colocolo, N. S. Wales.
Genus <i>Polycopis</i> , <i>G. O. Sars</i> , 1865. (Forhandl. Vid.-Sels. Christiania, aar 1865, p. 121.) <i>Ostracoda-Polycopidae.</i>			
<i>P. simplex</i> , <i>Jones</i> and <i>Kirkby</i> .	U.Pal.(Carb.)	*Mon. Brit. Carb. Entoms. 1874, p. 54, t. 2, f. 1 a—c, f. 10 and 12, t. 5, f. 1; <i>de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 346, t. 17, f. 5.	Muree, N. S. Wales.

¹ Prof. M'Coy mentions a species of *Phillipsia*, resembling *P. gemmifera* (Phil.), as occurring in N. S. Wales.

(Polyzoa.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Sub-kingdom—Mollusca. Section—Molluscoidea. Class—Polyzoa.</i>			
Genus <i>Dendricopora</i> , <i>de Koninck</i> , 1877. (Rech. Foss. Pal. Nouv.-Galles du Sud, pt. 3, p. 169.)— <i>Cyclostomata-Fenestellidae</i> ?			
<i>D. Hardyi</i> , <i>de Kon.</i>	U.Pal.(Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 170, t. 8, f. 1.	Burragood, N. S. Wales.
Genus <i>Fenestella</i> (<i>Miller</i> , ms.), <i>Lonsdale</i> , 1839 ¹ . (Sil. Syst. p. 677; restricted, King, Permian Foss. Eng. 1850, p. 35.)— <i>Cyclostomata-Fenestellidae</i> .			
<i>F. ampla</i> , <i>Lonsdale</i> .		Vide <i>Protoretepora</i> .	
<i>F. antiqua</i> , <i>Lonsdale</i> .		Vide <i>Protoretepora</i> .	
<i>F. densa</i> , <i>Etheridge</i> (ms.).		Vide <i>F. plebeia</i> , M'Coy.	
<i>F. fossula</i> , <i>Lonsdale</i> .		Vide <i>F. plebeia</i> , M'Coy.	
<i>F. gracilis</i> , <i>Dana</i> .	U.Pal.(Carb.)	*Geol. U. S. Expl. Expd. p. 711, t. 11, f. 4; <i>F. gracilis</i> ?, <i>de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 177.	Glendon and Burragood, N. S. Wales.
<i>F. internata</i> , <i>Lonsdale</i> .	U.Pal.(Carb.)	Darwin's *Geol. Obs. Volc. Islands, 1844, p. 165; Strzelecki's *Phys. Descr. N. S. Wales, 1845, p. 269, t. 9, f. 2 a and b; M'Coy, Annals Nat. Hist. 1847, x. p. 226; Dana, *Geol. U. S. Expl. Expd. p. 710, t. 10, f. 18; ? <i>F. media</i> , Dana, loc. cit. p. 710, t. 10, f. 14; <i>F. internata</i> , Grange, in Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, ii. pp. 84, 87, 94, 95; <i>id.</i> Clarke, S. Goldfields, 1860, p. 286; <i>id.</i> Darwin, *Geol. Obs. Volc. Islands, 1876, 2nd ed. p. 181; <i>id.</i> Temison-Woods, *Monthly Notices, R. Soc. Tas. 1875-76, p. 49; <i>id.</i> <i>de Kon.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 176.	Glendon, Harper's Hill, Raymond Terrace, Bell's Creek and Darlington, N. S. Wales.
<i>F. media</i> , <i>Dana</i> .		?Vide <i>F. internata</i> , Lonsdale.	
<i>F. Morrisii</i> , M'Coy.	U.Pal.(Carb.)	*Synop. Carb. Foss. Ireland, 1844, p. 202, t. 28, f. 14; <i>de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 176.	Burragood, N. S. Wales.
<i>F. multiporata</i> , M'Coy.	U.Pal.(Carb.)	*Synop. Carb. Foss. Ireland, 1844, p. 203, t. 28, f. 9; <i>de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 175, t. 8, f. 4.	Burragood, N. S. Wales.
<i>F. plebeia</i> , M'Coy.	U.Pal.(Carb.)	*Synop. Carb. Foss. Ireland, 1844, p. 203, t. 29, f. 3; <i>F. fossula</i> , Lonsdale, Darwin's *Geol. Obs. Volc. Islands, 1844, p. 166; <i>id. ibid.</i> Strzelecki's *Phys. Descr. N. S. Wales, 1845,	Glendon, Harper's Hill, Muree, Korinda, and Glen William, N. S. Wales; Mt Wellington

¹ Compare *Retihornera*, Kirkenpaur.

(Polyzoa.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>F. propinqua</i> , de Koninck.	U.Pal.(Carb.)	p. 269, t. 9, f. 1; <i>id.</i> et <i>F. plebeia</i> ? M'Coy, Annals Nat. Hist. 1847, xx. p. 226; <i>F. fossula</i> , Dana, "Geol. U. S. Expl. Expld. p. 710, Atlas, t. 11, f. 3; <i>id.</i> et <i>F. plebeia</i> , Clarke, S. Gold-fields, 1860, p. 286; <i>F. fossula</i> et <i>F. densa</i> , Etheridge, "Quart. Jour. Geol. Soc. 1872, xxviii. p. 332, t. 25, f. 1; <i>F. fossula</i> , Etheridge jun., "Trans. R. Soc. Vict. 1876, xii. p. 67; <i>id.</i> Darwin, "Geol. Obs. Volo. Islands, 1876, 2nd ed. p. 183; <i>id.</i> et var. <i>densa</i> , Tenison-Woods, "Monthly Notices R. Soc. Tas. 1875-76, p. 49; <i>F. plebeia</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 171, t. 8, f. 2 (for synon.); <i>F. fossula</i> , Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, n. pp. 87, 96.	and St Patrick's Plains, &c. Tas.; Gympie and Rockhampton, Qu.
<i>F. undulata</i> , Phillips.	U.Pal.(Carb.)	<i>F. ampla</i> , Dana, "Geol. U. S. Expl. Expld. p. 710, t. 11, f. 2 (fig. 1, excl. and non Lonsdale); <i>F. propinqua</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 174, t. 8, f. 3.	Glendon and Glen William, N. S. Wales.
<i>F. sp. ind.</i>		<i>Retepora</i> , "Geol. York. 1836, II. p. 199, t. 1, f. 16-18; <i>Fenestella</i> , M'Coy, "Synop. Carb. Foss. Ireland, 1844, p. 204; <i>id.</i> Annals Nat. Hist. 1847, xx. p. 226.	Dunvegan, N. S. Wales.
<i>F. sp. ind.</i>		Etheridge jun., Trans. R. Soc. Vict. 1876, xii. p. 68, f. 2.	Gympie, Qu.
<i>Genus Glauconeome</i> (pars, <i>Goldfuss</i>), <i>Lonsdale</i> , 1839 (Sil. Syst. p. 677; Etheridge jun., Annals Nat. Hist. 1877) = <i>Acanthocladia</i> , King, 1849, <i>Penniretepora</i> , d'Orb. 1849. <i>Cyclostomata-Thamniscidae</i> .		<i>Sp. near F. antiqua</i> (Lonsdale), M'Coy, Annals Nat. Hist. 1847, xx. p. 226.	Korinda, N. S. Wales.
<i>G. bipinnata</i> , Phillips.	Mid. Pal. (Dev.?)	*Pal. Foss. Devon. 1841, p. 21, t. 11, f. 33; M'Coy, "Synop. Carb. Foss. Ireland, 1844, p. 199; Morris, Cat. Brit. Foss. 2nd ed. 1854, p. 124; Stutchbury, Parl. Blue Book, Dec. 1854, p. 19.	Pallal, nr. Bengera, N. S. Wales.
<i>G. grandis</i> , M'Coy.	U.Pal.(Carb.)	*Synop. Carb. Foss. Ireland, 1844, p. 199, t. 28, f. 3; <i>Penniretepora</i> , d'Orbigny, Prod. de Pal. 1849, I. p. 153; <i>Acanthocladia</i> , King, Prom. Fossils Engl. 1850, p. 1.	Burragood, N. S. Wales.

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(Polyzoa.)

(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
G. <i>pluma</i> , <i>Phillips</i> .	U. Pal. (Carb.)	47; <i>Penniretepora</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 168, t. 5, f. 11. <i>Retepora</i> , "Geol. York, 1836, II. p. 199, t. 1, f. 13—15; <i>Glau- conome</i> , M'Coy, "Synop. Carb. Foss. Ireland, 1844, p. 199; <i>id.</i> ? <i>ibid.</i> Annals Nat. Hist. 1847, xx. p. 226; <i>Acanthocladia</i> , King, Perm. Foss. Engl. 1850, p. 47; <i>Glauconome</i> , Clarke, S. Gold- fields, 1860, p. 286.	Dunvegan, N. S. Wales.
Genus <i>Hemitrypa</i> , <i>J. Phillips</i> , 1841. (Pal. Foss. Devon. p. 21.) <i>Cyclostomata-Fenestellidae</i> .			
H. <i>sexangulata</i> , <i>Lonsdale</i> .	U. Pal. (Carb.)	Darwin's "Geol. Obs. Volo. Is- lands, 1844, p. 167; Strzelecki's "Phys. Descr. N. S. Wales, 1845, p. 269, t. 9, f. 4; Darwin, "loc. cit. 2nd ed. 1876, p. 183.	Mount Wellington, Tas.
Genus <i>Polypora</i> , <i>M'Coy</i> , 1844. (Synop. Carb. Foss. Ireland, p. 206.) <i>Cyclostomata-Fenestellidae</i> .			
P. <i>papillata</i> , <i>M'Coy</i> .	U. Pal. (Carb.)	*loc. cit. p. 206, t. 29, f. 10; de Koninck, "Foss. Pal. Nouv.- Galles du Sud, 1877, pt. 3, p. 183, t. 7, f. 7.	Buclean, N. S. Wales.
Genus <i>Protoretepora</i> , <i>de Koninck</i> , 1877. (Foss. Pal. Nouv.-Galles du Sud, pt. 3, p. 178.)— <i>Cyclostomata-Elasmoporidae</i> ?			
P. <i>ampla</i> , <i>Lonsdale</i> .	U. Pal. (Carb.)	<i>Fenestella</i> , Darwin's "Geol. Obs. Volc. Islands, 1844, p. 163; <i>id.</i> Strzelecki's "Phys. Descr. N. S. Wales, 1845, p. 268, t. 9, f. 3 a—d; <i>id.</i> M'Coy, Annals Nat. Hist. 1847, xx. p. 226; <i>id.</i> Dana, "Geol. U. S. Expl. Expd. p. 710, t. 11, f. 2; <i>id.</i> Clarke, S. Gold- fields, 1860, p. 286; <i>Polypora</i> ? Etheridge jun., "Trans. R. Soc. Vict. 1876, XII. p. 66, f. 1; <i>Fenestella</i> , Tenison-Woods, "Monthly Notices R. Soc. Tas. 1875—76, p. 48; <i>Protoretepora</i> , de Kon. *loc. cit. p. 180, t. 8, f. 4; <i>Fenestella</i> , Darwin, "Geol. Observations, 2nd ed. 1876, p. 180; <i>Fenestella</i> , Grange, Du- mont-d'Urville's Voyage au Pole Sud, Géologie, 1854, II. pp. 84, 94, 95 and 96.	Muree, Loder's Ck, Bell's Ck, Glen- don, Stony Creek, N. S. Wales. Spring Hill, Mount Wellington, and E. Marshes, Tas. Gympie, Qu.

(Polyzoa.)

(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. antiqua, Lonsdale.</i>	U. Pal. (Carb.)	<i>Fenestella</i> , Trans. Geol. Soc. 1840, v. pp. 697, 708, t. 58, f. 10; <i>id.</i> Phillips, *Pal. Foss. Devon. 1841, p. 24, t. 12, f. 35; <i>F. antiqua?</i> McCoy, Annals Nat. Hist. 1847, xx. p. 226; <i>id.</i> Clarke, S. Goldfields, 1860, p. 286; <i>Protoretepora</i> , de Koninck, Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 179.	Korinda, N. S. Wales.
Genus <i>Retepora</i> , Imperato, 1672. (Hist. Nat. p. 630; Busk, Mon. Foss. Polyzoa Crag. 1859, p. 73.)— <i>Cheilostom.-Inarticulata.</i>			
<i>R.? laxa, de Koninck.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 182, t. 8, f. 5.	Colocolo; Burragood, N.S. Wales.
Genus <i>Rhombopora</i> , Meek, 1872. (Hayden's Report, E. Nebraska, p. 141.) <i>Cheilostomata?-Vincularidae?</i>			
<i>R.? laxa, Etheridge.</i>	U. Pal. (Carb.)	<i>Ceriopora?</i> *Quart. Jour. Geol. Soc. 1872, xxviii. p. 332, t. 25, f. 2.	Gympie, Qu.

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<i>Genus Athyris</i> , McCoy, 1844. (Synop. Carb. Foss. Ireland, p. 146; Davidson, Introduction, p. 84.)— <i>Clistenterata-Spiriferidae.</i>			
<i>A. globularis, Phillips.</i>	U. Pal. (Carb.)	<i>Spirifera</i> , *Geol. York, 1836, ii. p. 220, t. 10, f. 12; <i>Athyris</i> , McCoy, *Brit. Pal. Foss. p. 434; <i>id.</i> Davidson, *Mon. Brit. Carb. Brach. p. 86, t. 17, f. 15—18; <i>Spiriger</i> , Beyrich, Abhandl. K. Akad. Wissensch. Berlin, 1865, xxxvi. p. 75, t. 1, f. 1 a—c.	Timor.
<i>A. planosulcata, Phillips.</i>	U. Pal. (Carb.)	<i>Spirifera</i> , *Geol. York, 1836, ii. p. 220, t. 10, f. 5; <i>Athyris</i> , McCoy, *Synop. Carb. Foss. Ireland, 1844, p. 148; <i>id.</i> Davidson, *Mon. Brit. Carb. Brach. p. 80, t. 16, f. 2—13, 15; <i>id.</i> de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 2, p. 224, t. 11, f. 6.	Dungog, N. S. Wales.
<i>A. Roynii, Lereille.</i>	U. Pal. (Carb.)	<i>Spirifer</i> , *Mém. Soc. Géol. France, 1835, ii. p. 39, t. 2, f. 18—20; <i>Athyris</i> , McCoy, *Brit. Pal. Foss. p. 433; <i>id.</i> Davidson, *Mon. Brit. Carb. Brach. p. 84, t. 18, f. 1—11; <i>Spiriger</i> , Beyrich, Abhandl. K. Akad. Wissensch. Berlin, 1865, xxxvi. p. 74, t. 1, f. 2, a and b, f. 3 a—c.	Timor.

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(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Atrypa</i> , <i>Dalman</i> , 1828 (see p. 18).			
<i>A. biundata</i> , <i>M'Coy</i> .		Vide <i>Terebratula sacculus</i> , var. <i>hastata</i> , <i>J. de C. Sowerby</i> .	
<i>A. cymbiformis</i> , <i>M'Coy</i> .		Vide <i>Terebratula sacculus</i> , var. <i>hastata</i> , <i>J. de C. Sowerby</i> .	
<i>A. desquamata</i> , <i>J. de C. Sow.</i>	Mid. Pal. (L. Dev.).	*Trans. Geol. Soc. 2nd ser. 1840, v. p. 704, t. 56, f. 19 and 20; Davidson, *Mon. Brit. Dev. Brach. p. 58, t. 10, f. 9—13, t. 11, f. 1—9; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 98.	Yass, N. S. Wales.
<i>A. Jukesii</i> , <i>M'Coy</i> .	U. Pal. (Carb.)	<i>Atrypa</i> , *Annals Nat. Hist. 1847, xx. p. 332, t. 13, f. 8; <i>ibid. id.</i> *Proc. R. Soc. V.D. Land, 1851, i. p. 318, t. 13, f. 8.	Dunvegan, N. S. Wales.
<i>A. plicatella</i> , <i>de Kon.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 99, Atlas, t. 3, f. 4.	Yass, N. S. Wales.
<i>A. reticularis</i> , <i>Linn.</i>	Mid. Pal. (L. and Mid. Dev.).	(See p. 18); Davidson, *Mon. Brit. Dev. Brach. p. 53, t. 10, f. 3 and 4; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 97; <i>Spirigera</i> , <i>M'Coy</i> , Couchman's Progress Report, 1877, iv. p. 158.	Yass; Kempsey, N. S. Wales. Bindi, Vict.
<i>Ibid. var. aspera</i> , <i>Schlotheim</i> .	Mid. Pal. (M. Dev.).	<i>Terebratulites</i> , Leonhard's *Min. Taschenbuch, 1813, vii. p. 74, t. 1, f. 7 a—c; <i>id.</i> *Petrefactenkunde, 1820, pt. 1, p. 263; 1822, pt. 2, p. 68, t. 18, f. 3; <i>Atrypa</i> , <i>Dalman</i> , *Kongl. Vet. Acad. Handl. för år 1827 (1828), p. 128, t. 4, f. 3; <i>A. reticularis</i> , var. <i>aspera</i> , Davidson, *Mon. Brit. Dev. Brach. 1864, p. 57, t. 10, f. 5—8; <i>Spirigera reticularis</i> , var. <i>aspera</i> , <i>M'Coy</i> , Couchman's Progress Report, 1877, iv. p. 158.	Bindi, Vict.
Genus <i>Camarophoria</i> , <i>King</i> , 1844. (Annals Nat. Hist. xiv. p. 313; <i>ibid.</i> 1846, xviii. p. 89; Permian Foss. England, 1850, p. 113; Davidson, Introduction, p. 96.) <i>Clistenterata-Rhynchonellidae</i> .			
<i>C. erumenia</i> , <i>Martin</i> .	U. Pal. (Carb.)	<i>Conch. (Anomites)</i> , Pet. Derb. 1809, t. 36, f. 4; <i>Camarophoria</i> , Davidson, *Mon. Brit. Carb. Brach. p. 113, t. 25, f. 8—9; <i>id.</i> Beyrich, Abhandl. K. Akad. Wissenschaft. Berlin, 1865, xxxvi. p. 73, t. 1, f. 11 a—c.	Timor.
Genus <i>Chonetes</i> , <i>Fischer</i> , 1837 (see p. 19).— <i>Clistenterata-Productidae</i> .			
<i>C. Australis</i> , <i>M'Coy</i> .	Mid. Pal. (M. Dev.).	Smyth's Progress Report, 1876, iii. p. 62; *Geol. Survey, Vict. Dec. iv. 1876, p. 17, t. 35, f. 3—5; Couchman's <i>id.</i> 1877, iv. p. 16.	Buchan; Lucknow, Vict.

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(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>C. coronata</i> , Conrad.	Mid. Pal. (L. Dev.).	<i>Strophomena</i> , *Jour. Acad. Nat. Sc. Philadelphia, 1842, viii. p. 257, t. 14, f. 30; <i>Chonetes</i> , Hall, *Pal. N. York, iv. pt. 1, p. 133, t. 21, f. 9—12; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 87.	Kempsey, N. S. Wales.
<i>C. Cracowensis</i> , Etheridge.		Vide <i>C. Laguessiana</i> , de Koninck.	
<i>C. Hardrensis</i> , Phillips.		Vide <i>C. Laguessiana</i> , de Koninck.	
<i>C. Laguessiana</i> , de Koninck.	U. Pal. (Carb.)	*Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 211, t. 12 <i>bis</i> , f. 4; <i>C. Hardrensis</i> , Davidson (non Phill.), *Mon. Brit. Carb. Brit. Brach. p. 186, t. 47, f. 12—18; <i>C. Cracowensis</i> , R. Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 336, t. 18, f. 2; <i>C. Laguessiana</i> , de Kon. *Mon. Foss. Carb. Bleiberg en Carinthie, 1873, p. 39, t. 2, f. 2 (for synonymy); <i>id. ibid.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 2, p. 207, t. 10, f. 7.	Burragood, N. S. Wales. Cracow Creek, Qu.
<i>C. papilionacea</i> , Phillips.	U. Pal. (Carb.)	<i>Spirifera</i> , *Geol. York. 1836, ii. p. 221, t. 11, f. 6; <i>Chonetes</i> , de Koninck, *Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 212, t. 13, f. 5, t. 13 <i>bis</i> , f. 1; <i>id.</i> Davidson, *Mon. Brit. Carb. Brach. p. 182, t. 46, f. 3—6; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 2, p. 205, t. 10, f. 6.	Dungog, N. S. Wales.

Genus *Cyrtina*, Davidson, 1858. (Mon. Brit. Carb. Brach. pp. 66 and 67.)
Clistenterata-Spiriferidae.

<i>C. septosa</i> , Phillips.	U. Pal. (Carb.)	<i>Spirifera</i> , *Geol. York. 1836, ii. p. 216, t. 9, f. 7; <i>Cyrtina</i> , Davidson, *Mon. Brit. Carb. Brach. p. 68, t. 14, f. 1—10, t. 15, f. 2; <i>id.</i> de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 2, p. 253, t. 15, f. 2.	Near Yass, N. S. Wales.
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Genus *Discina*, Lamarck, 1819 (Hist. Nat. Anim. s. Vertèb. vi. pt. 1, p. 236; Davidson, Introduction, p. 126)=*Orbiculoides*, d'Orbigny, 1849.
Tretenterata-Discinidae.

<i>D. affinis</i> , M'Coy.	U. Pal. (Carb.)	<i>Orbicula</i> , *Annals Nat. Hist. 1847, xx. p. 236, t. 13, f. 1; <i>id.</i> *Proc. R. Soc. V. D. Land, 1851, i. p. 322, t. 13, f. 1; <i>id.</i> Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 3.	Dunvegan, N. S. Wales.
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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>D. Alleghania, Hall.</i>	Mid. Pal. (L. Dev.).	*Pal. N. York, 1867, iv. pt. 1, p. 25, t. 1, f. 17; de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1876, p. 82.	Yass, N. S. Wales.

Genus *Leptena*, *Dalman*, 1828 (see p. 19).—*Clistenterata-Strophomenidae*.

<i>L. interstrialis, Phillips.</i>	Mid. Pal. (L. Dev.).	<i>Orthis</i> , *Pal. Foss. Devon. 1841, p. 61, t. 25, f. 103; <i>Leptena</i> ? Davidson, "Mon. Brit. Dev. Brach. p. 85, t. 18, figs. 15—18; de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1876, p. 91.	Yass, N. S. Wales.
<i>L. nobilis, M'Coy.</i>	Mid. Pal. (L. Dev.).	*Brit. Pal. Foss. p. 386, t. 2 a, f. 9; Davidson, "Mon. Brit. Dev. Brach. p. 86, t. 18, figs. 19—21; de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1876, p. 92.	Yass, N. S. Wales.
<i>L. subsequicostata, de Kon.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 93, Atlas, t. 3, f. 2.	Yass, N. S. Wales.

Genus *Lingula*, *Bruguière*, 1791. (Encyclop. Méthod. 1, pl. 250, f. 1, a, b and c;
Lamarck, Système, 1801, p. 140; *id. Histoire*, 1819, vi. pt. 1, p. 257.)
Tretenterata-Lingulidae.

<i>L. ovata, Dana.</i>	U. Pal. (Carb.)	*American Jour. Sc. 2nd ser. iv. p. 152; *Geol. U. S. Expl. Expd. p. 685, Atlas, t. 2, f. 6.	Black Head, Illa- wara, N. S. Wales.
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Genus *Orthis*, *Dalman*, 1828 (see p. 20).—*Clistenterata-Strophomenidae*.

<i>O. Australis, M'Coy.</i>		Vide <i>O. resupinata</i> , Martin.	
<i>O. interlineata, J. de C. Sowerby.</i>	Mid. Pal. (L. Dev.).	Trans. Geol. Soc. 2nd ser. v. p. 704, t. 53, f. 11, t. 54, f. 14; David- son, "Mon. Brit. Dev. Brach. p. 91, t. 17, figs. 18—23; de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1876, p. 89.	Yarradong, N. S. Wales.
<i>O. Michelini, L'Eveillé.</i>	U. Pal. (Carb.)	<i>Terebratula</i> , *Mém. Soc. Géol. France, 1885, n. p. 39, t. 2, f. 14—17; <i>Orthis</i> , de Koninck, "Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 228, t. 13, f. 8, 10 c and d; <i>id.</i> David- son, "Mon. Brit. Carb. Brach. pp. 132, 264, t. 30, f. 6—12; <i>id.</i> de Koninck, "Foss. Pal. Nouv.- Galles du Sud, 1877, pt. 3, p. 216, t. 10, f. 10.	Tasmania (David- son). Burragood; Colo- colo, N. S. Wales.
<i>O. resupinata, Martin.</i>	U. Pal. (Carb.)	<i>Conch. (Anomites)</i> , *Pet. Derb. 1809, t. 49, f. 13 and 14; <i>Orthis</i> , de Koninck, "Descrip. Anim.	Lewin's Brook; Burragood; Colo- colo, N. S. Wales.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		Foss. Terr. Carb. Belgique, 1843, p. 226, t. 13, f. 9 and 10; <i>O. striatula</i> , M'Coy (non Schlothei), Annals Nat. Hist. 1847, xx. p. 234; <i>O. Australis</i> , *id. ibid. p. 234, t. 13, f. 4 and 4a; <i>O. striatula</i> , M'Coy, Proc. R. Soc. V. D. Land, 1851, I. p. 320; <i>O. Australis</i> , id. *ibid. p. 320, t. 13, f. 4; <i>O. Australis</i> , Clarke, S. Goldfields, 1860, p. 286; <i>O. resupinata</i> , Davidson, *Mon. Brit. Carb. Brach. p. 130, t. 29, f. 1—6, t. 30, f. 1—5; id. de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 214, t. 10, f. 9.	
<i>O. spinigera</i> , M'Coy.	U. Pal. (Carb.)	*Annals Nat. Hist. 1847, xx. p. 235, t. 13, f. 3; *Proc. R. Soc. V. D. Land, 1851, I. p. 321, t. 13, f. 3.	Dunvegan, N. S. Wales.
<i>O. striatula</i> , Schlot-heim.	U. Pal. (Dev.).	<i>Anomia</i> , Leonhard's Min. Taschenbuch, 1818, VIII. t. 1, f. 6; id. Davidson, *Mon. Brit. Dev. Brach. p. 87, t. 17, figs. 4—7; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 90.	Lewin's Brook; Allyn River, N. S. Wales.
Genus <i>Orthotetes</i> , Fischer, 1829 (Bull. Soc. Imp. Nat. Moscou, p. 375; de Koninck, Mon. Foss. Carb. Bleiberg en Carinthie, 1873, p. 42) = <i>Streptorhynchus</i> , King. <i>Clistenterata-Strophomenidae</i> .			
<i>O. crenistria</i> , Phillips.	U. Pal. (Carb.)	<i>Spirifera</i> , *Geol. York. 1836, II. p. 216, t. 9, f. 6; <i>Streptorhynchus</i> , Davidson, *Mon. Brit. Carb. Brach. p. 214, t. 26, f. 1, t. 27, f. 1—5, t. 30, f. 14—16; id.? Beyrich, Abhandl. K. Akad. Wissenschaft. Berlin, 1865, XXXVI. p. 82, t. 1, f. 9 a, b; <i>Orthotetes</i> , de Koninck, *Mon. Foss. Carb. Bleiberg en Carinthie, 1873, p. 44, t. 2, f. 4 (for synonymy); id. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 212, t. 10, f. 8.	Dungog, N. S. Wales. Timor.
<i>O. crenistria</i> , var. <i>radialis</i> , Phillips.	U. Pal. (Carb.)	<i>Spirifera radialis</i> , Phill. *Geol. York. 1836, II. p. 220, t. 11, f. 5; <i>Streptorhynchus radialis</i> , Beyrich, *Abhandl. K. Akad. Wissenschaft. Berlin, 1865, XXXVI. p. 80, t. 1, f. 8 a—c; <i>St. crenistria</i> , var. <i>radialis</i> , Davidson, *Mon. Brit. Carb. Brach. p. 129, t. 25, f. 16—18.	Timor.
<i>O. Davidsoni</i> , R. Etheridge.	Mid. Pal. (Dev.)	<i>Streptorhynchus</i> , *Quart. Jour. Geol. Soc. 1872, xxviii. p. 333, t. 17, f. 1.	Bowen River, Qu.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Pentamerus, Sowerby, 1813 (see p. 20).—<i>Clistenterata-Pentameridae.</i>			
<i>P. pumilus, de Kon.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 94, t. 8, f. 3.	Yass, N. S. Wales.
Genus Productus, J. Sowerby, 1814. (Min. Con. I. p. 153; Davidson, Introduction, p. 117.)—<i>Clistenterata-Productidae.</i>			
<i>P. aculeatus, Martin.</i>	U. Pal. (Carb.)	<i>Conch. (Anomites)</i> , *Pet. Derb. 1809, t. 39, f. 9, 10; <i>Productus</i> , J. Sowerby, *Min. Con. 1814, I. p. 156, t. 68, f. 4; <i>id. Davidson, Mon. Brit. Carb. Brach.</i> p. 166, t. 33, f. 16—20; <i>id. de Koninck, Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 204, t. 11, f. 6.</i> Vide <i>P. semireticulatus, Martin.</i>	Colocolo, N. S. Wales.
<i>P. antiquatus, J. Sowerby.</i>	U. Pal. (Carb.)	Darwin's *Geol. Obs. Volc. Islands, 1844, p. 158; Morris, in Strzelecki's *Phys. Descrip. N. S. Wales, 1845, p. 284, t. 14, f. 4 a—c; de Koninck, *Mém. Soc. R. Sc. Liége, rv. p. 241, t. 16, f. 1; <i>id. Mon. Productus et Chonetes</i> , 1847, p. 102, t. 16, f. 1 a and b; McCoy, Annals Nat. Hist. 1847, xx. p. 235; Dana, *Geol. U. S. Expl. Exped. p. 686, Atlas, t. 2, f. 8; Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 3; Clarke, S. Goldfields, 1860, p. 286; <i>P. undulatus</i> , McCoy, *Annals Nat. Hist. 1847, p. 236, t. 18, f. 2; <i>P. brachythærus</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 198, t. 10, f. 4, t. 11, f. 1; Grange, Dumont-d'Urville's Voy. au Pole Sud, Géol. 1854, ii. pp. 84, 89, 93, 94, 95; d'Orbigny, Paléontologie, <i>ibid. Atlas</i> , 1846, t. 6, f. 6, 7.	Raymond Terrace; Loder's Creek, N. S. Wales.
<i>P. Clarkei, R. Etheridge.</i>	M. Pal. (Dev.) U. Pal. (Carb.)	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 334, t. 17, f. 2; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 203, t. 10, f. 5, t. 11, f. 2.	Bowen River, Qu. Braxton, N. S. Wales.
<i>P. cora, D'Orbigny.</i>	M. Pal. (Dev.) U. Pal. (Carb.)	*Pal. Voy. d. l'Amérique Mérid. iii. pts. 3 and 4, p. 55, t. 5, f. 8 and 9; Davidson, *Mon. Brit. Carb. Brach. pp. 148, 264, t. 36, f. 4, t. 42, f. 9; R. Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii.	Gympie, Qu. Port Stephen; Tillegahry, N. S. Wales. Tasmania (Davidson).

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. fimbriatus</i> , <i>J. de C. Sowerby.</i>	U. Pal. (Carb.)	p. 328, t. 15, f. 1, 2; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 184, t. 9, f. 1. *Min. Con. 1824, v. p. 85, t. 459, f. 1; Davidson, *Mon. Brit. Carb. Brach. p. 171, t. 33, f. 12 and 15, t. 44, f. 15; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 195, t. 11, f. 5.	Tilleghary; William River, N. S. Wales.
<i>P. fragilis</i> , <i>Dana.</i>	U. Pal. (Carb.)	*Am. Jour. Sc. 2nd ser. iv. p. 153; *Geol. U. S. Expl. Exped. p. 686, Atlas, t. 2, f. 7; Clarke, S. Gold-fields, 1860, p. 286; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 201, t. 10, f. 3.	Wollongong Point; Illawara; Braxton, N. S. Wales.
<i>P. longispinus</i> , <i>J. Sowerby.</i>	U. Pal. (Carb.)	*Min. Con. 1814, i. p. 154, t. 68, f. 1; <i>P. Flemingii</i> , J. Sowerby, *Min. Con. 1814, i. p. 155, t. 68, f. 2; <i>P. setosus</i> , Phill. *Geol. York. ii. p. 214, t. 8, f. 9 and 17; id. M'Coy, Annals Nat. Hist. 1847, xx. p. 235; <i>P. Flemingii</i> , de Koninck, *Mém. Soc. R. Sc. Liège, iv. p. 196, t. 10, f. 2 and 3; id. ibid. *Mon. Productus et Chonetes, p. 95, t. 10, f. 2 and 3; <i>P. longispinus</i> , Davidson, *Mon. Brit. Carb. Brach. p. 154, t. 35, f. 5—19; id. R. Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 333, t. 18, f. 9; <i>P. Flemingii</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 191, t. 11, f. 3.	Lewin's Brook; Carroo Creek, N. S. Wales.
<i>P. magnus</i> , <i>Meek and Worthen.</i>	U. Pal. (Carb.)	*Proc. Acad. N. Sci. Philadelphia for 1861, p. 142; *Illinois Geol. Survey Report, 1868, vol. iii. p. 528, t. 20, f. 7; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 186, t. 10, f. 1.	S. E. of Buchan, N. S. Wales.
<i>P. Murchisonianus</i> , <i>de Koninck.</i>	U. Pal. (Carb.)	*Mém. Soc. R. Sc. Liège, 1846, p. 245, t. 16, f. 3; *Mon. Productus et Chonetes, 1847, p. 138, t. 16, f. 3.	Tasmania.
<i>P. punctatus</i> , <i>Martin.</i>	U. Pal. (Carb.)	<i>Conch. (Anomites)</i> , Martin, *Pet. Derb. 1809, t. 37, f. 6—8; <i>Productus</i> , J. Sowerby, *Min. Con. 1823, iv. p. 22, t. 323; id. Davidson, *Mon. Brit. Carb. Brach. p. 172, t. 44, f. 9—16; id. de Koninck, *Foss. Carb. Bleiberg en Carinthie, 1873, p. 30, t. 1, f. 19 (for synonymy); id. ibid. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 193, t. 10, f. 2; <i>P.</i>	Karua and William Rivers, N. S. Wales. Timor.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. pustulosus, Phillips.</i>	U. Pal. (Carb.)	<i>punctatus?</i> Beyrich, "Abhandl. K. Akad. Wissensch. Berlin, 1865, xxxvi. p. 83, t. 2, f. 3. *Geol. York. 1836, II. p. 216, t. 7, f. 15; <i>P. rugatus</i> , Phillips, "ibid. f. 16; <i>P. pustulosus</i> , de Verneuil, "Bull. Soc. Géol. de France, xi. p. 177; <i>P. rugatus</i> , G. Sowerby, in Darwin's "Geol. Obs. Volc. Islands, 1844, p. 158; <i>P. pustulosus</i> , Davidson, "Mon. Brit. Carb. Brach. p. 168, t. 41, f. 1—16, t. 42, f. 1—4.	S. Tasmania.
<i>P. rugatus, Phill.</i> <i>P. scabriulus, Martin.</i>	U. Pal. (Carb.)	Vide <i>P. pustulosus</i> , Phill. <i>Conch. (Anomites)</i> , *Pet. Derb. 1809, t. 36, f. 5; <i>Productus</i> , J. Sowerby, "Min. Con. 1814, I. p. 157, t. 69, f. 1; <i>id. M'Coy</i> , Annals Nat. Hist. 1847, xx. p. 235; <i>id. Davidson</i> , "Mon. Brit. Carb. Brach. p. 169, t. 42, f. 5—8; <i>id. de Koninck</i> , "Foss. Pal. Nouv. Galles du Sud, 1877, pt. 8, p. 196.	Hall's Quarry, Hobarton, Tas. R. William, N. S. Wales.
<i>P. semireticulatus, Martin.</i>	U. Pal. (Carb.)	<i>Conch. (Anomites)</i> , *Pet. Derb. 1809, t. 31, figs. 1 and 3, t. 33, f. 4; <i>P. antiquatus</i> , J. Sow. "Min. Con. IV. p. 15, t. 317, figs. 1, 5, and 6; <i>id. M'Coy</i> , Annals Nat. Hist. 1847, xx. p. 235; <i>id. Clarke</i> , S. Goldfields, 1860, p. 286; <i>P. semireticulatus</i> , de Koninck, Mém. Soc. R. Sc. Liège, IV. p. 183, t. 8, f. 1, t. 9, f. 1, t. 10, f. 1; <i>de Koninck</i> , "Mon. <i>Productus et Chonetes</i> , 1847, p. 83, t. 8, f. 1, t. 9, f. 1, t. 10, f. 1; <i>id. Davidson</i> , "Mon. Brit. Carb. Brach. p. 149, t. 43, figs. 1—11, t. 44, figs. 1—4; <i>id. Beyrich</i> , Abh. K. Akad. Wissensch. Berlin, 1865, xxxvi. p. 82, t. 2, f. 1 and 2; <i>id. de Koninck</i> , "Foss. Pal. Nouv. Galles du Sud, 1877, pt. 3, p. 188, t. 9, f. 2.	Lewin's Brook; Glen William; Colocolo, N. S. Wales. Timor.
<i>P. setosus, Phillips.</i> <i>P. subquadratus, Morris.</i>	U. Pal. (Carb.)	Vide <i>P. longispinus</i> , J. Sow. Strzelecki's "Phys. Descr. N. S. Wales, 1845, p. 284; <i>de Koninck</i> , Mém. Soc. R. Sc. Liège, IV. p. 203, t. 14, f. 1; <i>id. Mon. Productus et Chonetes</i> , 1847, p. 100, t. 14, f. 1; <i>Clarke</i> , S. Goldfields, 1860, p. 286.	Mounts Dromedary and Wellington, Tas. Glendon, N. S. Wales.
<i>P. undatus, De-france.</i>	U. Pal. (Carb.)	*Diet. Sc. Nat. 1826, XLIII. p. 354; <i>de Koninck</i> , "Mém. Soc. R. Sc. Liège, IV. p. 156, t. 5, f. 3;	Allan River, Tas. Patterson River, N. S. Wales.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. undulatus</i> , M'Coy.	U. Pal. (Carb.)	<i>id.</i> *Mon. <i>Productus et Chonetes</i> , 1847, p. 59, t. 5, f. 3; Davidson, *Mon. Brit. Carb. Brach. p. 161, t. 34, f. 7—13; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 190, t. 11, f. 4. *Annals Nat. Hist. 1847, xx, p. 236, t. 13, f. 2; *Proc. R. Soc. V. D. Land, 1851, i. p. 821, t. 18, f. 2. (? = <i>P. brachythærus</i> , G. Sow.)	Loder's Creek, N. S. Wales.
Genus <i>Rhynchonella</i> , Fischer, 1809 (see p. 21).— <i>Clistenterata-Rhynchonellidae.</i>			
<i>R. inversa</i> , de Kon.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 220, t. 11, f. 11.	Raymond Terrace, N. S. Wales.
<i>R. pleurodon</i> , Phill.	Mid. Pal. (Up. Dev.).	<i>Terebratula</i> , *Geol. York. 1806, ii. p. 222, t. 12, figs. 25—30 (non 16); <i>Rhynchonella</i> , Davidson, *Mon. Brit. Carb. Brach. pp. 101 and 246, t. 23, figs. 1—15, 16—22? Clarke, Remarks Sed. Forms. N. S. W. 3rd ed. 1875, p. 13; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 95; <i>id. ibid.</i> 1877, pt. 3, p. 219, t. 9, f. 4.	Sofala and Port Stephen, N. S. Wales.
<i>R. pugnus</i> , Martin.	Mid. Pal. (L. Dev.).	<i>Conchyliolithus (Anomites)</i> , *Pet. Derb. 1809, t. 22, figs. 4 and 5; <i>Rhynchonella</i> , Davidson, *Mon. Brit. Carb. Brach. p. 97, t. 22, figs. 1—15; Clarke, Remarks Sed. Forms. N. S. W. 3rd ed. 1875, p. 13; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 97.	Yarradong, N. S. Wales.
<i>R. Timorensis</i> , Beyrich.	U. Pal. (Carb.)	Abhandl. K. Akad. Wissenschaft. Berlin, 1865, xxxvi. p. 72, t. 1, f. 10 a—c.	Timor.

Genus *Siphonotreta*, De Verneuil, 1845 (see p. 21).—*Tretenterata-Discinidae.*

<i>S. curta</i> , Dana.	U. Pal. (Carb.)	*Geol. U. S. Expl. Exped. p. 685, Atlas, t. 2, f. 5.	Glendon, N. S. Wales.
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Genus *Spirifera*, J. Sowerby, 1816 (see p. 22) = *Trigonotreta*, König.
Clistenterata-Spiriferidae.

<i>S. attenuata</i> , J. de C. Sowerby.		Vide <i>S. striata</i> , Martin.	
<i>S. cabedanus</i> , de Verneuil.	M. Pal. (Dev.)	*Bull. Soc. Géol. de France, 1845, ii. p. 473, t. 15, f. 3; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 103.	Yass, N. S. Wales.
<i>S. calcarata</i> , J. de C. Sowerby.		Vide <i>Spirifera disjuncta</i> , Sow.	

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>S. Chee-Hiel, de Koninck.</i>	M. Pal. (Dev.?)	Mon. <i>Productus et Chonetes</i> , 1847, p. 141; Mém. Soc. Royale Sc. Liége, IV. p. 248; d'Orbigny, <i>Paleontologie</i> , Dumont-d'Urville's Voy. au Pole Sud, <i>Atlas</i> , 1846, t. 6, f. 11.	Tasmania.
<i>S. Clarkei, de Kon.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 236, t. 18, f. 2.	Wollongong, N. S. Wales.
<i>S. convoluta, Phill.</i>	M. Pal. (Dev.) U. Pal. (Carb.)	*Geol. Yorksh. II. p. 217, t. 9, f. 7; <i>S. avicula</i> , G. Sow., Darwin's *Geol. Obs. Volc. Is. 1844, App. p. 160; <i>id.</i> Morris, *Strzelecki's Phys. Descri. N. S. Wales, 1845, p. 282, t. 16, f. 6; <i>id.</i> M'Coy, Annals Nat. Hist. 1847, XX. p. 233; <i>id.</i> Clarke, S. Goldfields, 1860, p. 286; <i>id.</i> Grange, Dumont-d'Urville's Voy. au Pole Sud, <i>Géologie</i> , 1854, II. p. 96; <i>S. convoluta</i> , Davidson, *Mon. Brit. Carb. Brach. p. 35, t. 5, figs. 2—15; Etheridge, *Quart. Jour. Geol. Soc. 1872, XXVIII. p. 335, t. 17, f. 3; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 240, t. 12, f. 2, t. 13, f. 3.	Bowen River, Qu. Black Head, Illawara; Korinda, N. S. Wales. Eagle-hawk Neck, Tas.
<i>S. crassicostata, Jukes</i> (ms.).	U. Pal. (Carb.)	Quart. Jour. Geol. Soc. 1847, III. p. 248; Phys. Str. Aust. 1850, p. 16.	Point Puer; Springvale, Tas.
<i>S. crebristria, Morris.</i>	U. Pal. (Carb.)	Strzelecki's *Phys. Descri. N. S. Wales, 1845, p. 279, t. 15, f. 2; M'Coy, Annals Nat. Hist. 1847, XX. p. 232; Grange, Dumont-d'Urville's Voyage au Pole Sud, <i>Géologie</i> , 1854, II. p. 85; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 225, t. 9, f. 5.	Booral; Dunvegan; Burrageed, N. S. Wales.
<i>S. Darwinii, Morris.</i>	U. Pal. (Carb.)	? <i>S. paucicostata</i> , G. Sow., *Darwin's Geol. Obs. Volc. Is. 1844, App. p. 160; <i>S. Darwinii</i> , Morris, *Strzelecki's Phys. Descri. N. S. Wales, 1845, p. 279; <i>id.</i> M'Coy, Annals Nat. Hist. 1847, XX. p. 233; <i>id.</i> Dana, *Geol. U. S. Expl. Expl. p. 684, <i>Atlas</i> , t. 8, f. 7; <i>id.</i> Clarke, S. Goldfields, 1860, p. 286; <i>id.</i> de Koninck, Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 230, t. 10, f. 11, t. 11, f. 10, t. 16, f. 1.	Glendon; Harper's Hill; Barraba; Loder's Creek; Black Head, N. S. Wales.
<i>S. disjuncta, J. de C. Sowerby.</i>	Mid. Pal. (L. Dev.).	Trans. Geol. Soc. 1840, v. 2nd ser. p. 704 (and plate descript.), t. 53, f. 8, t. 54, figs. 12 and 13; Stutchbury, Parl. Blue Book, Dec. 1854, p. 19; Davidson,	Pallal; Bowenfels; Sofala; Collin's Flat, N. S. Wales.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>S. dubia</i> , Etheridge.	M. Pal. (Dev.)	*Mon. Brit. Dev. Brach. p. 23, t. 5, f. 1—12, t. 6, figs. 1—5; Clarke, Remarks Sed. Forms. N. S. W. 3rd ed. 1875, p. 13; de Kon., *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 100; <i>S. calcarata</i> , Sow. loc. cit. t. 53, f. 7.	
<i>S. duodecimcostata</i> , M'Coy.	U. Pal. (Carb.)	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 330, t. 16, f. 6. *Annals Nat. Hist. 1847, xx. p. 284, t. 17, f. 2 and 3; *Proc. R. Soc. V. D. Land, 1851, i. p. 320, t. 17, f. 2 and 3; Dana, *Geol. U. S. Expl. Exped. p. 684, Atlas, t. 2, f. 1; Clarke, S. Goldfields, 1860, p. 287; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 234, t. 10, f. 12, t. 12, f. 4.	Gympie, Qu.
<i>S. duplicicosta</i> , Phillips.	U. Pal. (Carb.)	*Geol. York. 1836, ii. p. 218, t. 1, f. 1; Davidson, *Mon. Brit. Carb. Brach. p. 24, t. 3, f. 7—10, t. 4, f. 3, 5—11; de Koninck, Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 198.	R. William, N. S. Wales.
<i>S. exsuperans</i> , de Koninck.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 249, t. 15, f. 1.	Glen William, N. S. Wales.
<i>S. glabra</i> , Martin.	U. Pal. (Carb.)	Conch. (Anomites)*Pet. Derb. 1809, t. 48, f. 9 and 10; <i>Spirifer subradiata</i> , G. Sow. Darwin's *Geol. Obs. Volo. Is. 1844, p. 159; id. Morris, *Strzelecki's Phys. Descrip. N. S. Wales, 1845, p. 281, t. 16, f. 1—4; id. M'Coy, Annals Nat. Hist. 1847, xx. p. 233; id. Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, ii. pp. 87—96; <i>S. glaber</i> , Dana, *Geol. U. S. Expl. Exped. p. 683, Atlas, t. 1, f. 6; id. Clarke, S. Goldfields, 1860, p. 286; <i>S. glabra</i> , Davidson, *Mon. Brit. Carb. Brach. pp. 59 and 264, t. 11, f. 1—9, t. 12, f. 1—5, 11 and 12; <i>S. glaber</i> , de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 227, t. 11, f. 8, t. 12, f. 1.	Glendon; Muree; Wollongong; Harper's Hill; Raymond Terrace; Morpeth, &c., N. S. Wales. Norfolk Plains; Mts Wellington and Dromedary, Tas.
<i>S. Kupangensis</i> , Beyrich.	U. Pal. (Carb.)	Abhandl. K. Akad. Wissenschaft. Berlin, 1865, xxxvi. p. 78, t. 1, f. 6 a—c.	Timor.
<i>S. lata</i> , M'Coy.	U. Pal. (Carb.)	*Annals Nat. Hist. 1847, xx. p. 233, t. 13, f. 7; *Proc. R. Soc. V. D. Land, 1851, i. p. 319, t. 13, f. 7; Plews, Mining Inst.	Lewin's Brook; Colocolo, N. S. Wales.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>S. latisinuatus, de Koninck.</i>	M. Pal. (Dev.)	Jour. vi. pt. 8, t. 8; de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 244.	
<i>S. levicostata, Val. et Lamarck.</i>	M. Pal. (Dev.)	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 105, Atlas, t. 8, f. 7. Lamarck's "Histoire, 1819, vi. p. 254; Davidson, "Mon. Brit. Devon. Brach. p. 28, t. 8, f. 4 and 5; Selwyn, Phys. Geogr. and Geol. Vict. 1866, p. 10; M'Coy, Annals Nat. Hist. 1867, xx. p. 198; M'Coy in Smyth's Progress Report, 1874, p. 84; <i>id. ibid.</i> 1876, iii. p. 62; <i>id. Exhib. Essay</i> , 1872, p. 40; <i>id. Geol. Survey Vict. Dec. iv. 1876</i> , p. 16, t. 35, f. 2 <i>a</i> and <i>b</i> ; <i>id. Couchman's Progress Report</i> , 1877, iv. pp. 16 and 155.	Yass, N. S. Wales. Buchan, Vict.
<i>S. lineata, Martin.</i>	U. Pal. (Carb.)	<i>Conch. (Anomites)</i> , "Pet. Derb. 1809, t. 86, f. 8; <i>Spirifera</i> , Davidson, "Mon. Brit. Carb. Brach. pp. 62 and 264, t. 18, f. 1-18; Beyrich, Abhandl. K. Akad. Wissen. Berlin, 1865, xxxvi. p. 76, t. 1, f. 18 <i>a-c</i> ; <i>Spirifer lineatus</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 224, t. 11, f. 9.	Raymond Terrace, N. S. Wales. Timor.
<i>S. Moosakhailensis, Davidson.</i>	U. Pal. (Carb.)	*Quart. Jour. Geol. Soc. 1862, xviii. p. 28, t. 2, f. 2; ?Beyrich, "Abhandl. K. Akad. Wissenschaft. Berlin, 1865, xxxvi. p. 77, t. 1, f. 7.	Timor.
<i>S. multiplicatus, de Koninck.</i>	M. Pal. (Dev.)	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 102, t. 8, f. 5.	Yass, N. S. Wales.
<i>S. nuda, J. de C. Sowerby.</i>	M. Pal. (Dev.)	*Trans. Geol. Soc. 1840, v. 2nd ser. p. 704, t. 57, f. 8; Davidson, "Mon. Brit. Dev. Brach. p. 38, t. 4, f. 17-24; de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1876, p. 106.	Yass, N. S. Wales.
<i>S. oviformis, M'Coy.</i>	U. Pal. (Carb.)	*Annals Nat. Hist. 1847, xx. p. 234, t. 18, f. 5 and 6; *Proc. R. Soc. V. D. Land, 1851, i. p. 320, t. 18, f. 5 and 6; Plews, Mining Inst. Jour. vi. 1858, pt. 3, t. 8; de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 283, t. 12, f. 3.	Barraba; Wollongong, N.S. Wales.
<i>S. paucicostata, G. Sowerby.</i>		?Vide <i>S. Darwinii</i> , Morris.	
<i>S. phalæna, Dana.</i>		Vide <i>S. vespertilio</i> , G. Sow.	
<i>S. pinguis, J. Sowerby.</i>	U. Pal. (Carb.)	*Min. Con. 1820, iii. p. 125, t. 271; Davidson, "Mon. Brit. Carb. Brach. p. 50, t. 10, f.	Glen William; Burragood, N. S. Wales.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>S. rotundata, G. Sow.</i> <i>S. Stokesii, König.</i>	U. Pal. (Carb.)	1—12; de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 238, t. 14, f. 2. Vide <i>S. Tasmaniensis</i> , Morris. <i>Trigonotreta</i> , "Icon. Foss. p. 3, t. 6, f. 70; <i>Spirifera trapezoidalis</i> , G. Sowerby, Darwin's "Geol. Obs. Volc. Is. 1844, p. 159; <i>S. Stokesii</i> , Morris, Strzelecki's "Phys. Descrip. N. S. Wales, 1845, p. 263, t. 15, f. 1; <i>id</i> . Grange, Dumont-d'Urville's Voy. au Pole Sud, Géologie, 1854, II. pp. 94—96; d'Orbigny, Paléontologie, <i>ibid.</i> Atlas, t. 6, f. 12—14 (1846).	Eagle-hawk Neck; Mount Dromedary, Tas.
<i>S. striata, Martin.</i>	M. Pal. (Dev.) U. Pal. (Carb.)	<i>Conch. (Anomites)</i> , "Pet. Derb. 1809, t. 23, f. 1 and 2; <i>Spirifer attenuatus</i> , J. de C. Sow. "Min. Con. v. p. 151, t. 493; <i>id</i> . M'Coy, Annals Nat. Hist. 1847, xx. p. 238; <i>id</i> . Clarke, S. Gold-fields, 1860, p. 287; <i>S. striata</i> , Davidson, "Mon. Brit. Carb. Brach. pp. 19 and 246, t. 2, f. 13—21, t. 3, f. 2—6; <i>id</i> . Etheridge, "Quart. Jour. Geol. Soc. 1872, xxviii. p. 834, t. 17, f. 5, ? p. 836, t. 18, f. 8.	Dunvegan, N. S. Wales. Bowen River, Peak Downs, Qu.
<i>S. Strzeleckii, de Koninck.</i>	M. Pal. (Dev.) U. Pal. (Carb.)	<i>S. undifera</i> , var. <i>undulata</i> , Etheridge (non F. Boemer), "Quart. Jour. Geol. Soc. 1872, xxviii. p. 830, t. 15, f. 4, t. 16, f. 8—15; <i>S. Strzeleckii</i> , de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 235, t. 13, f. 1, t. 14, f. 1. Vide <i>S. glabra</i> , Martin.	Lady Mary Reef, Gympie, Qu. Stony Creek; Raymond Terrace, N. S. Wales.
<i>S. subradiata, G. Sow.</i> <i>S. Tasmaniensis, Morris.</i>	U. Pal. (Carb.)	<i>S. rotundata</i> , G. Sow. (non J. Phill.) Darwin's "Geol. Obs. Volc. Is. 1854, p. 159; <i>S. Tasmaniensis</i> , Morris, Strzelecki's "Phys. Descrip. N. S. Wales, 1845, p. 280, t. 15, f. 8 and 4; <i>id</i> . M'Coy, Annals Nat. Hist. 1847, xx. p. 238; <i>id</i> . Grange, Dumont-d'Urville's Voy. au Pole Sud, Géologie, 1854, II. p. 96; <i>S. Tasmani</i> , v. Buch, "Abh. K. Akad. Wissen. z. Berlin, 1848, xi. p. 75, f. 8; <i>id</i> . Quart. Jour. Geol. Soc. III. pt. 2, p. 56; <i>S. Tasmaniensis</i> , var. ? Beyrich, "Abh. K. Akad. Wissen. z. Berlin, 1865, xxvi. p. 78, t. 1, f. 5; <i>id</i> . de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 248, t. 9, f. 7.	Lewin's Brook; Raymond Terrace, N. S. Wales. Eastern Marshes; Mts Dromedary and Wellington, Tas.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>S. trapezoidalis</i> , <i>G. Sowerby</i> .		Vide <i>S. Stokesii</i> , König.	
<i>S. triangularis</i> , <i>Martin.</i>	U. Pal. (Carb.)	<i>Conch. (Anomites)</i> , *Pet. Derb. 1809, t. 86, f. 2; <i>Spirifera</i> , J. de C. Sow. *Min. Conch. 1827, vi. p. 120, t. 562, f. 5 and 6; <i>Spirifera</i> , Davidson, *Mon. Brit. Carb. Brach. pp. 27 and 223, t. 6, f. 16—24, t. 50, f. 10—17; <i>Spirifera</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 245, t. 14, f. 4.	Strand, N. S. Wales.
<i>S. trigonalis</i> , <i>Martin.</i>	U. Pal. (Carb.)	<i>Conch. (Anomites)</i> , *Pet. Derb. 1809, t. 86, f. 1; <i>Spirifera</i> , J. Sowerby, *Min. Con. 1820, iii. p. 117, t. 265, f. 2 and 3; <i>id.</i> Davidson, *Mon. Brit. Carb. Brach. pp. 29, 222 and 264, t. 5, f. 25—34; <i>S. bisulcata</i> , J. de C. Sow. *Min. Con. v. p. 152, t. 494, f. 1 and 2; <i>id.</i> Davidson, *loc. cit. p. 81, t. 5, f. 1, t. 6, f. 1—19, t. 7, f. 4; <i>id.</i> var. <i>acuta</i> , Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 829, t. 16, f. 1, p. 835, t. 17, f. 4; <i>S. bisulcata</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 246, t. 14, f. 5.	Port Stephen, Tas. Gympie, Qu. Burrugood; Colo- colo; Gervis Bay, N. S. Wales.
<i>S. undifera</i> , var. <i>undulata</i> , <i>Etheridge</i> (non <i>F. Roemer</i>).		Vide <i>S. Strzeleckii</i> , de Koninck.	
<i>S. vespertilio</i> , <i>G. Sowerby</i> .	M. Pal. (Dev.) U. Pal. (Carb.)	Darwin's *Geol. Obs. Volc. Is. 1844, p. 160; Morris, Strzelecki's *Phys. Descrip. N. S. Wales, 1846, p. 252, t. 17, f. 1—3; McCoy, Annals Nat. Hist. 1847, xx. p. 282; Dana, *Geol. U. S. Expl. Expd. p. 685, Atlas, t. 2, f. 8; <i>S. phalana</i> , <i>id.</i> *ibid. p. 685, Atlas, t. 2, f. 4; <i>S. vespertilio</i> et <i>S. phalana</i> , Clarke, S. Goldfields, 1860, pp. 286, 287; <i>S. vespertilio</i> , Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 829, t. 16, f. 2; <i>id.</i> de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 242, t. 18, f. 4, t. 14, f. 3.	Illawara; Raymond Terrace, &c., N. S. Wales. Gympie, Qu. Eagle-hawk Neck; Mts Dromedary and Wellington, Tas.
<i>S. Yassensis</i> , <i>Clarke</i> .	U. Pal. (Carb.)	<i>S. Yassensis</i> , Clarke (ms.), Sed. Formations N. S. Wales, 1875, 3rd ed. p. 15; <i>S. Yassensis</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 104, t. 8, f. 6.	Yass; Duntroon, N. S. Wales.
<i>S. sp. ind.</i>	U. Pal. (Carb.)	Dana, *Geol. U. S. Expl. Expd. p. 684, Atlas, t. 2, f. 2.	Black Hill; Glen- don, N. S. Wales.

(Brachiopoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Spiriferina</i> , <i>D'Orbigny</i> , 1847. (Comp. Rendus, xxv. p. 268; Davidson, Introduction, p. 82.)— <i>Clistenterata-Spiriferidae</i> .			
<i>S. cristata</i> , <i>v. Schlot-heim</i> .	U.Pal.(Carb.)	<i>Terebratulites</i> , Denkschriften K. baier. Akad. Wissen. zu München, 1816, vi. p. 28, t. 1, f. 3 a—c; <i>Spirifer octoplicatus</i> , J. de C. Sow. "Min. Con. 1827, vi. p. 120, t. 562, f. 2—4; <i>Spiriferina cristata</i> , var. <i>octoplicata</i> , Davidson, "Mon. Brit. Carb. Brach. pp. 88, 226 and 267, t. 7, f. 37—47, 60 and 61, t. 52, f. 9, 10 and 18, t. 54, f. 10—12; <i>Spiriferina cristata</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 250; <i>id.</i> McCoy, Couchman's Progress Rep. 1877, iv. p. 155; <i>S. cristatus</i> , Beyrich, Abhandl. K. Akad. Wissen. Berlin, 1865, xxxvi. p. 79, t. 1, f. 4 a—c.	Colocolo, N. S. Wales. Chiltern, Vict. Timor.
<i>S. insculpta</i> , <i>Phill.</i>	U.Pal.(Carb.)	<i>Spirifera</i> , "Geol. Yorksh. 1836, ii. p. 216, t. 9, f. 2 and 3; <i>Spiriferina</i> , Davidson, "Mon. Brit. Carb. Brach. p. 42, t. 7, f. 48—55; <i>id.</i> de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 252.	Colocolo, N. S. Wales.
Genus <i>Streptorhynchus</i> , <i>King</i> , 1850. (Mon. Perm. Foss. England, p. 107.) Vide <i>Orthotetes</i> , Fischer.			
<i>S. Davidoni</i> , <i>Ethe-ridge</i> .		Vide <i>Orthotetes</i> .	
<i>S. crenistria</i> , <i>Phill.</i>		Vide <i>Orthotetes</i> .	
Genus <i>Strophaleosia</i> , <i>King</i> , 1844. (Annals Nat. Hist. xiv. p. 313.) <i>Clistenterata-Productidae</i> .			
<i>S. productoides</i> , <i>Murchison</i> .	M. Pal. (Up. Dev.).	<i>Orthis</i> , "Bull. Soc. Géol. de France, 1840, xi. p. 254, t. 2, f. 7; <i>Strophaleosia</i> , Davidson, "Mon. Brit. Dev. Brach. p. 97, t. 19, f. 18—25; de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1876, p. 83.	Kempsey, N. S. Wales.
Genus <i>Strophomena</i> (<i>Rafinesque</i> , 1820?), <i>Blainville</i> , 1824 (see p. 22). <i>Clistenterata-Strophomenidae</i> .			
<i>S. rhomboidalis</i> , <i>Wahlenberg</i> , var. <i>analogia</i> , <i>Phillips</i> .	M. Pal. (Dev.) U.Pal.(Carb.)	<i>Producta analoga</i> , Phill. "Geol. York. ii. p. 215, t. 7, fig. 10; <i>S. rhomboidalis</i> , var. <i>analogia</i> , Davidson, "Mon. Brit. Carb. Brach. p. 119, t. 28, f. 1—13; <i>id.</i> Etheridge, "Quart. Jour. Geol. Soc. 1872, xxviii. pp. 831	Lady Mary Reef, Gympie; Head of Don R. Qu. Burragood; Colocolo, N.S. Wales.

A CATALOGUE OF AUSTRALIAN FOSSILS.

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(Brachiopoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		and 883, t. 15, figs. 3 and 5, t. 16, f. 7, t. 18, f. 1; <i>Strophomenes analoga</i> , de Kon. Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 208, t. 9, f. 8, t. 11, f. 7 (for synonymy).	
Genus <i>Terebratula</i> , <i>Luid</i> , 1699. (Lith. Brit. Ichnographia, p. 40; Davidson, Introduction, p. 62).— <i>Clistenterata-Terebratulida</i> .			
<i>T. amygdala</i> , <i>Dana</i> .		Vide <i>T. sacculus</i> .	
<i>T. biundata</i> , <i>M'Coy</i> .		Vide <i>T. sacculus</i> , var. <i>hastata</i> , J. de C. Sowerby.	
<i>T. cymbæformis</i> , <i>Morris</i> .		Vide <i>T. sacculus</i> , var. <i>hastata</i> , J. de C. Sowerby.	
<i>T. elongata</i> , <i>Dana</i> .		Vide <i>T. sacculus</i> .	
<i>T. hastata</i> , <i>J. de C. Sowerby</i> .		Vide <i>T. sacculus</i> , var. <i>hastata</i> , J. de C. Sowerby.	
<i>T. sacculus</i> , <i>Martin</i> .	U.Pal.(Carb.)	<i>Conch. (Anomites)</i> , *Pet. Derb. 1809, t. 46, f. 1 and 2; <i>Terebratula</i> , J. de C. Sow. *Min. Con. 1824, v. p. 65, t. 446, f. 1; <i>T. amygdala</i> , <i>Dana</i> , *American Jour. 1847, rv. p. 152; <i>id. ibid.</i> *Geol. U. S. Expl. Exped. p. 682, <i>Atlas</i> , t. 1, f. 2a—d; <i>T. elongata</i> , <i>Dana</i> , * <i>ibid.</i> p. 682, <i>Atlas</i> , t. 1, f. 3 a—d; <i>T. sacculus</i> , <i>Davidson</i> , *Mon. Brit. Carb. Brach. p. 14, t. 1, f. 23, 24, 27, 29 and 30; <i>id. de Koninck</i> , *Foss. Carb. Bleiberg en Carinthie, 1872, p. 65, t. 2, f. 16 (for synonymy); <i>id. ibid.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, pp. 255—257, t. 15, f. 5.	Black Head; Burragood; Strand, N. S. Wales.
<i>T. sacculus</i> , var. <i>hastata</i> , <i>J. de C. Sow.</i>	U.Pal.(Carb.)	<i>T. hastata</i> , *Min. Con. 1824, v. p. 66, t. 446; <i>id. Morris</i> , <i>Strzelecki's Phys. Descrip.</i> N. S. Wales, 1845, p. 278; <i>T. cymbæformis</i> , <i>id. ibid.</i> <i>id. p. 278</i> , t. 17, f. 4 and 5; <i>Atrypa</i> , <i>id. M'Coy</i> , <i>Annals Nat. Hist.</i> 1847, xx. p. 231; <i>A. biundata</i> , <i>M'Coy</i> , * <i>ibid.</i> p. 231, t. 13, f. 9; <i>id. ibid.</i> * <i>Proc. R. Soc. V. D. Land</i> , 1851, i. p. 318, t. 13, f. 9; <i>A. biundata</i> , et <i>A. cymbæformis</i> , <i>Clarke</i> , <i>S. Goldfields</i> , 1860, p. 286; <i>T. cymbæformis</i> et <i>T. hastata</i> , <i>Grange</i> , <i>Dumont-d'Urville's Voyage au Pole Sud, Géologie</i> , 1854, n. pp. 84, 85, 89; <i>T. hastata</i> , <i>Davidson</i> , * <i>Mon. Brit. Carb. Brach.</i> pp. 11, 213 and 246, t. 1, f. 1—12, t. 49, f. 11—30; <i>T. sacculus</i> , var. <i>hastata</i> , <i>de Kon.</i> * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1877, pt. 8, p. 257, t. 15, f. 3 and 4.	Korinda; Lewin's Brook, Raymond Terrace; Muree; Strand; Illawara, N. S. Wales.

(Brachiopoda—Pelecypoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
T. <i>sp. ind.</i>	U.Pal.(Carb.)	Dana, "Geol. U. S. Expl. Exped. p. 683, Atlas, t. 1, f. 4 and 5.	Illawara; Glendon, N. S. Wales.
Genus <i>Trigonotreta</i> , <i>König</i> , 1825 or 1820? (Icon. Foss. Sect. p. 3.) Vide <i>Spirifera</i> .			
T. <i>Stokesii</i> , <i>König</i> .		Vide <i>Spirifera Stokesii</i> , <i>König</i> .	

Section—Mollusca proper.

Class—Pelecypoda (Lamellibranchiata or Conchifera, &c.).

Genus *Allorisma*, *King*, 1844. (Annals Nat. Hist. xiv. p. 315; Mon. Perm. Foss. England, 1850, p. 196; Meek and Hayden, Pal. Upper Missouri, 1865, p. 86.)
Myacea-Anatinidae.

A. <i>audax</i> , <i>Dana</i> .		Vide <i>Edmondia</i> ? <i>audax</i> .	
A. ? <i>curvatum</i> , <i>Morris</i> .	U.Pal.(Carb.)	<i>Allorisma</i> , Strzelecki's "Phys. Descrip. N. S. Wales, 1845, p. 270, t. 10, f. 1; <i>id</i> , M'Coy, Annals Nat. Hist. 1847, xx. p. 300; <i>Pholadomya</i> , Dana, "Geol. U.S. Explor. Exped. p. 688, Atlas, t. 8, f. 2; <i>Allorisma</i> , Grange, Dumont-d'Urville's Voyage au Pole Sud, Géol., 1854, II. p. 89; <i>Sanguinolites</i> , de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 264, t. 17, f. 4.	Illawara; Glendon; Darlington; Wollongong, N. S. Wales.

Genus *Aphanaia*, *L. G. de Koninck*, 1877. (Foss. Pal. Nouv.-Galles du Sud, pt. 3, p. 302.)
Mytilacea-Aviculidae.

A. <i>gigantea</i> , <i>de Kon</i> .	U.Pal.(Carb.)	*loc. cit. p. 304, t. 21, f. 6.	Branxton, N. S. Wales.
A. <i>Mitchellii</i> , <i>M'Coy</i> .	U.Pal.(Carb.)	<i>Inoceramus</i> , "Annals Nat. Hist. 1847, xx. p. 299, t. 14, f. 1; <i>id</i> . Proc. R. Soc. V. D. Land, 1851, I. p. 328, t. 14, f. 1; <i>id</i> . Plews, Mining Inst. Jour. 1858, VI. pt. 3, t. 4; <i>id</i> . Clarke, S. Gold-fields, 1860, p. 287; <i>Aphanaia</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 303, t. 21, f. 5.	Glendon; Wollongong, N.S.Wales.

Genus *Arca*, *Linnaeus*, 1758. (Systema, ed. 10, I. p. 693; Lamarck, Prodrome, 1799, p. 87.)
Arcacea-Arcidae.

A. <i>costellata</i> , <i>M'Coy</i> .	U.Pal.(Carb.)	<i>Byssarea</i> , "Synop. Carb. Foss. Ireland, 1844, p. 72, t. 11, f. 36; Morris, Cat. Brit. Foss. 1854, 2nd ed. p. 184; <i>Palaearea</i> , de	Burrugood, N. S. Wales.
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(Pelecypoda.)

(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		Koninck, Foss. Pal. Nouv. Galles du Sud, 1877, pt. 8, p. 286, t. 16, f. 6 and 7.	
A. interrupta, de Koninck.	U. Pal. (Carb.)	<i>Palaearea</i> , loc. cit. p. 287, t. 16, f. 5.	Burrugood, N. S. Wales.
A. subarguta, de Kon.	U. Pal. (Carb.)	<i>Palaearea</i> , loc. cit. p. 287, t. 16, f. 8.	Burrugood, N. S. Wales.
Genus <i>Astarte</i> , J. Sowerby, 1816 ¹ . (Min. Con. II. p. 85.)— <i>Lucinacea-Astartidae</i> .			
A. ? gemma, Dana.	U. Pal. (Carb.)	<i>Astarte</i> , *American Jour. Sc. 1847, IV. p. 154; <i>id.</i> *Geol. U. S. Expl. Expd. p. 688, Atlas, t. 8, f. 4; <i>id.</i> Clarke, S. Goldfields, p. 287.	Wollongong Point, N. S. Wales.
Genus <i>Astartilia</i> ² , Dana, 1847. (American Jour. Sc. IV. p. 155.) <i>Lucinacea-Astartidae</i> ?			
A. ? corpulenta, Dana.	U. Pal. (Carb.)	*Geol. U. S. Expl. Expd. p. 691, Atlas, t. 8, f. 8; Clarke, S. Goldfields, 1860, p. 287.	District of Illawara, N. S. Wales.
A. cyclas, Dana.	U. Pal. (Carb.)	*American Jour. Sc. 1847, IV. p. 155; *Geol. U. S. Expl. Expd. p. 690, Atlas, t. 4, f. 3; Clarke, S. Goldfields, 1860, p. 287.	Wollongong Point, N. S. Wales.
A. cyprina, Dana.	U. Pal. (Carb.)	*American Jour. Sc. 1847, IV. p. 155; *Geol. U. S. Expl. Expd. p. 689, Atlas, t. 8, f. 6; Clarke, S. Goldfields, 1860, p. 287; <i>Pachydomus</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 276, t. 18, f. 6.	Wollongong Point, N. S. Wales.
A. cytherea, Dana.	U. Pal. (Carb.)	*American Jour. Sc. 1847, IV. p. 155; *Geol. U. S. Expl. Expd. p. 689, Atlas, t. 4, f. 1; ? <i>Pachydomus</i> ? <i>pusillus</i> , M'Coy, "Annals Nat. Hist. 1847, xx. p. 302, t. 16, figs. 1 and 2; ? <i>id. ibid.</i> *Proc. R. Soc. V. D. Land, 1851, I. p. 325, t. 16, figs. 1 and 2; <i>A. cytherea</i> , Stutchbury, Parl. Blue Book, 25th July, 1856, p. 8; <i>id.</i> Clarke, S. Goldfields, 1860, p. 287.	Wollongong Point, N. S. Wales.
A. intrepida, Dana.	U. Pal. (Carb.)	*American Jour. Sc. 1847, IV. p. 155; *Geol. U. S. Expl. Expd. p. 689, Atlas, t. 8, f. 5; Clarke, S. Goldfields, 1860, p. 287.	Wollongong Point, N. S. Wales.
A. polita, Dana.	U. Pal. (Carb.)	*American Jour. Sc. 1847, IV. p. 155; *Geol. U. S. Expl. Expd. p. 690, Atlas, t. 4, f. 2; Clarke, S. Goldfields, 1860,	Black Head; Illawara, N. S. Wales.

¹ Brown and Searles Wood give 1816 as the date of this genus; Morris, and Morris and Lyett, 1817; whilst Agassiz gives 1818.

² Non *Astartilia*, J. Hall (*Iowa Geol. Survey Report*, 1858, I. pt. 2, p. 715).

(Pelecypoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>A. transversa</i> , <i>Dana</i> .	U.Pal. (Carb.)	p. 287; <i>Pachydomus</i> , de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 277, t. 19, f. 4. *American Jour. Sc. 1847, iv. p. 154; *Geol. U. S. Explor. Exped. p. 690, Atlas, t. 4, f. 4; Clarke, S. Goldfields, 1860, p. 287.	Wollongong Point, N. S. Wales.
Genus <i>Avicula</i> , <i>Klein</i> , 1753 (Tent. Meth. Ostrac. pt. 2, p. 120; <i>Lamarek</i> , <i>Prodrome</i> , 1799, p. 82; <i>Histoire</i> , 1819, vi. pt. 1, p. 146; <i>Stoliczka</i> , <i>Pal. Indica</i> , iii. p. 391) = <i>Pteria</i> , <i>Scopoli</i> , 1777, <i>Meek</i> , 1876.— <i>Mytilacea-Aviculidae</i> .			
<i>A. decipiens</i> , <i>de Kon.</i>	U.Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 309, t. 22, f. 13.	Harper's Hill, N. S. Wales.
<i>A. Hardyi</i> , <i>de Kon.</i>	U.Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 308, t. 16, f. 10.	Burrugood, N. S. Wales.
<i>A. intumescens</i> , <i>de Koninck</i> .	U.Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 309, t. 22, f. 12.	Harper's Hill, N. S. Wales.
<i>A. sublunulata</i> , <i>de Koninck</i> .	U.Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 307, t. 16, f. 4. Vide <i>Aviculopecten</i> .	Muree, N. S. Wales.
<i>A. tessellata</i> , <i>Phillipps</i> .			
<i>A. Volgensis</i> , <i>Dana</i> .	U.Pal. (Carb.)	Geol. U. S. Explor. Exped. p. 704, Atlas, t. 9, f. 4; Clarke, S. Gold- fields, 1860, p. 287.	Wollongong, N. S. Wales.
Genus <i>Aviculopecten</i> , <i>M'Coy</i> , 1851. (Annals Nat. Hist. vi. p. 171; Brit. Pal. Foss. 1852, p. 392; <i>Meek</i> and <i>Hayden</i> , Pal. Up. Missouri, 1865, p. 49.) <i>Ostracea-Aviculopectinida</i> .			
<i>A. cingendus</i> , <i>M'Coy</i> .	U.Pal. (Carb.)	<i>Pecten</i> , *Synopsis Carb. Foss. Ireland, 1844, p. 90, t. 17, f. 11; <i>Aviculopecten</i> , Morris, Cat. Brit. Foss. 2nd ed. 1854, p. 164; <i>id. de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 296, t. 22, f. 8.	Near Dungog, N. S. Wales.
<i>A. Clarkei</i> , <i>de Kon.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 114, t. 8, f. 10.	Kempsey, N. S. Wales.
<i>A. consimilis</i> , <i>M'Coy</i> .	U.Pal. (Carb.)	<i>Pecten</i> , *Synop. Carb. Foss. Ireland, 1844, p. 91, t. 15, f. 16; <i>Aviculopecten</i> , Morris, Cat. Brit. Foss. 2nd ed. 1854, p. 164; <i>id. de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 292, t. 22, f. 6.	Burrugood, N. S. Wales.
<i>A. depilis</i> , <i>M'Coy</i> .	U.Pal. (Carb.)	<i>Pecten</i> , *Synop. Carb. Foss. Ire- land, 1844, p. 91, t. 16, f. 11; <i>Aviculopecten</i> , Morris, Cat. Brit. Foss. 2nd ed. 1854, p. 164; <i>id. de Koninck</i> , *Foss. Pal. Nouv.- Galles du Sud, 1877, pt. 3, p. 292, t. 22, f. 7.	Burrugood, N. S. Wales.

(Felicypoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>A. elongatus, M'Coy.</i>	U. Pal. (Carb.)	<i>Pecten</i> , *Synop. Carb. Foss. Ireland, 1844, p. 92, t. 16, f. 9; <i>Aviculopecten</i> , de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 298, t. 22, f. 5.	Wollongong, N. S. Wales.
<i>A. Etheridgei, de Koninck.</i>	Mid. Pal. (L. Dev.).	Foss. Pal. Nouv.-Galles du Sud, 1876, p. 112, t. 3, f. 9.	Yass, N. S. Wales.
<i>A. Fittoni, Morris.</i>	U. Pal. (Carb.)	<i>Pecten</i> , Strzelecki's *Phys. Descrip. N. S. Wales, 1845, p. 277, t. 14, f. 2; <i>id.</i> Clarke, S. Goldfields, 1860, p. 287; <i>Aviculopecten</i> , Grange, Dumont-d'Urville's Voyage au Pole Sud, Géol. 1854, n. p. 95; <i>id.</i> de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 300, t. 21, f. 4.	Mounts Wellington and Dromedary, Tas. Muswelbrook, N. S. Wales.
<i>A. Forbesii, M'Coy.</i>	U. Pal. (Carb.)	<i>Pecten</i> , *Synop. Carb. Foss. Ireland, 1844, p. 93, t. 15, f. 20; <i>Aviculopecten</i> , Morris, Cat. Brit. Foss. 2nd ed. 1854, p. 164; <i>id.</i> de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 298.	Burragood, N. S. Wales.
<i>A. granosus, J. de C. Sowerby.</i>	U. Pal. (Carb.)	<i>Pecten</i> , *Min. Con. 1829, vi. p. 144, t. 574, f. 2; <i>id.</i> Phillips, *Geol. York, 1836, ii. p. 213, t. 6, f. 7; <i>id.</i> M'Coy, *Synop. Carb. Foss. Ireland, 1844, p. 93; <i>id.</i> Brown, Foss. Conchology, 1849, p. 154, t. 65, f. 16; <i>Avicula granulosa</i> , d'Orb. Prodrome de Pal. 1849, i. p. 135; <i>Aviculopecten granosus</i> , M'Coy, *Brit. Pal. Foss. 1852, p. 392 and 486; <i>id.</i> Morris, Cat. Brit. Foss. 2nd ed. 1854, p. 164; <i>id.</i> de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 296, t. 22, f. 10.	Burragood, N. S. Wales.
<i>A. Hardyi, de Kon.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 295, t. 22, f. 9.	Burragood, N. S. Wales.
<i>A. Illawarensis, Morris.</i>	U. Pal. (Carb.)	<i>Pecten</i> , Strzelecki's *Phys. Descrip. N. S. Wales, 1845, p. 277, t. 14, f. 3; <i>id.</i> Dana, *Geol. U. S. Explor. Exped. p. 705, Atlas, t. 9, f. 9; <i>id.</i> Clarke, S. Goldfields, 1860, p. 287; <i>id.</i> Grange, Dumont - d'Urville's Voyage au Pole Sud, Géol. 1854, n. p. 89; <i>Aviculopecten</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 301, t. 22, f. 1.	Illawara; Harper's Hill, N. S. Wales.
<i>A. ? imbricatus, Etheridge.</i>	M. Pal. (Dev.)	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 327, t. 14, f. 2.	Gympie, Qu.
<i>A. Knockonniensis, M'Coy.</i>	U. Pal. (Carb.)	<i>Pecten</i> , *Synop. Carb. Foss. Ireland, 1844, p. 95, t. 17, f. 4; <i>Aviculopecten</i> , Morris, Cat. Brit.	Karua, N. S. Wales.

(Pelecypoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>A. leniusculus</i> , <i>Dana</i> .	U. Pal. (Carb.)	Foss. 2nd ed. 1854, p. 165; <i>id.</i> de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 294. <i>Pecten</i> , *Amer. Jour. Sc. 1847, iv. p. 160; <i>id.</i> *Geol. U. S. Explor. Exped. p. 704, Atlas, t. 9, f. 6; <i>Aviculopecten</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 289, t. 21, f. 3.	Illawara; Mount Gimbel, N. S. Wales.
<i>A. limeformis</i> , <i>Morris</i> ¹ .	U. Pal. (Carb.) M. Pal. (Dev.)	<i>Pecten</i> , Strzelecki's *Phys. Descrip. N. S. Wales, 1845, p. 277, t. 13, f. 1; <i>id.</i> Grange, Dumont-d'Urville's Voyage au Pole Sud, Géol. 1854, II, pp. 93 and 95; <i>id.</i> Clarke, S. Goldfields, 1860, p. 287; <i>Aviculopecten</i> , Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 326, t. 14, f. 1; <i>Aviculopecten</i> , de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 291, t. 22, f. 4.	Norfolk Plains; Eastern Marshes, Tas. Gympie, Qu. Wollongong and Muree, N. S. Wales.
<i>A. lineatus</i> , <i>Plews</i> .	U. Pal. (Carb.)	<i>Pecten</i> , Mining Inst. Jour. 1858, vi. pt. 3, t. 4.	N. S. Wales.
<i>A. M'Leayi</i> , <i>de Koninck</i> .	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 114, t. 3, f. 11.	M'Leay R., N. S. Wales.
<i>A. mitia</i> , <i>Dana</i> .	U. Pal. (Carb.)	<i>Pecten</i> , *Geol. U. S. Explor. Exped. p. 705, Atlas, t. 9, f. 8.	Glendon, N. S. Wales.
<i>A. multiradiatus</i> , <i>Etheridge</i> .	M. Pal. (Dev.)	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 327, t. 13, f. 1.	Gympie, Qu.
<i>A. profundus</i> , <i>de Koninck</i> .	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 299, t. 22, f. 3.	Harper's Hill, N. S. Wales.
<i>A. ptychotis</i> , <i>M'Coy</i> .	U. Pal. (Carb.)	<i>Pecten</i> , *Annales Nat. Hist. 1847, xx. p. 298, t. 14, f. 2; <i>id.</i> *Proc. R. Soc. V. D. Land, 1851, i. p. 322, t. 14, f. 2; <i>Aviculopecten</i> , de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 294.	Dunvegan; Burragood; Wollongong, N. S. Wales.
<i>A. squamuliferus</i> , <i>Morris</i> .	U. Pal. (Carb.)	<i>Pecten</i> , Strzelecki's *Phys. Descrip. N. S. Wales, 1845, p. 278, t. 14, f. 1; <i>Dana</i> , *Geol. U. S. Explor. Exped. p. 705; <i>id.</i> M'Coy, Annals Nat. Hist. 1847, xx. p. 298; <i>id.</i> Grange, Dumont-d'Urville's Voyage au Pole Sud, Géol. 1854, II, p. 95; <i>id.</i> Clarke, S. Goldfields, 1860, p. 287.	Mounts Dromedary and Wellington, Tas. Harper's Hill, N. S. Wales.
<i>A. subquinque lineatus</i> , <i>M'Coy</i> .	U. Pal. (Carb.)	<i>Pecten</i> , *Annales Nat. Hist. 1847, xx. p. 298, t. 17, f. 1; <i>P. compctus</i> , <i>Dana</i> , *Amer. Jour. Sc. 1847, iv. p. 160 (non M'Coy); <i>id.</i> *Geol. U. S. Explor. Exped. p. 704, Atlas, t. 9, f. 5; <i>P. subquinque lineatus</i> , <i>M'Coy</i> , *Proc.	Harper's Hill; Muree, N. S. Wales.

¹ Non *A. limeformis*, Winchell.

(Pelecypoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision..	References.	Localities, &c.
		R. Soc. V. D. Land, 1851, I. p. 322, t. 17, f. 1; <i>Aviculopecten</i> , <i>id. de Koninck</i> , "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 295, t. 22, f. 2.	
A. Tasmaniensis, <i>M'Coy</i> (ms.).	U.Pal.(Carb.)	Selwyn, Proc. R. Soc. Tas. 1855, III. pt. 1, p. 120.	New Norfolk, Tas.
A. tenuicollis, <i>Dana</i> .	U.Pal.(Carb.)	<i>Pecten</i> , "Amer. Jour. Sc. 1847, IV. p. 160; <i>id. "Geol. U. S. Explor. Exped.</i> p. 705, <i>Atlas</i> , t. 9, f. 7.	Harper's Hill, N. S. Wales.
A. tessellatus, <i>Phill.</i>	U.Pal.(Carb.)	<i>Avicula</i> , "Geol. York. II. p. 211, t. 6, f. 6; <i>id. de Koninck</i> , "Descrip. Anim. Foss. Terr. Carb. Belgique, p. 134, t. 6, f. 2, 4, and 11; <i>Meleagrina</i> , <i>M'Coy</i> , "Synop. Carb. Foss. Ireland, 1844, p. 81; <i>Avicula</i> , <i>id. Annals Nat. Hist.</i> 1847, XX. p. 299; <i>Avicula</i> , <i>Brown</i> , "Foss. Conchology, 1849, p. 162, t. 66**, f. 31; <i>Aviculopecten</i> , <i>Morris</i> , <i>Cat. Brit. Foss. 2nd ed.</i> 1864, p. 166; <i>id. de Kon.</i> "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 298, t. 22, f. 11.	Dunvegan; Burragood, N. S. Wales.
Genus Cardinia, <i>L. Agassiz</i>, 1841¹ (Traduct. de la Conch. Mineral. de Sowerby, p. 207!; Etudes Crit., Mon. Myes, p. 220)=<i>Pachyodon</i>, Stutchbury. <i>Lucinacea-Astartidae</i>?			
C.? costata, <i>Dana</i> .		Vide <i>Pleurophorus Morrisii</i> , <i>de Koninck</i> .	
C.? cuneata, <i>Dana</i> .	U.Pal.(Carb.)	*Amer. Jour. Sc. 1847, IV. p. 156; "Geol. U. S. Explor. Exped. p. 692, <i>Atlas</i> , t. 4, f. 6; <i>Clarke, S. Goldfields</i> , 1860, p. 287.	Wollongong Point, N. S. Wales.
C.? exilis, <i>M'Coy</i> .		Vide <i>C.? recta</i> , <i>Dana</i> .	
C.? recta, <i>Dana</i> .	U.Pal.(Carb.)	<i>Cardinia</i> , "Amer. Jour. Sc. 1847, IV. p. 156; <i>C.? exilis</i> , <i>M'Coy</i> , "Annals Nat. Hist. 1847, XX. p. 302, t. 15, f. 1; <i>C.? recta</i> , <i>Dana</i> , "Am. Jour. Sc. 1848, V. p. 434; <i>id. "Geol. U. S. Expl. Exped.</i> p. 691, <i>Atlas</i> , t. 4, f. 5; <i>C.? exilis</i> , <i>M'Coy</i> , "Proc. R. Soc. V. D. Land, 1851, I. p. 326, t. 15, f. 1; <i>C. exilis</i> , <i>Clarke, S. Goldfields</i> , 1860, p. 287; <i>C. recta</i> , <i>Stutchbury</i> , 15th Report, <i>Parl. Blue Book</i> , 25th July, 1856, p. 8; <i>C. exilis</i> , <i>de Kon.</i> "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 271, t. 18, f. 2.	Illawara; Wollongong, N. S. Wales.

¹ Agassiz states that he first indicated this genus in a communication made to the *Société helvétique des Sciences Naturelles* at Bâle in 1838, and described it in the German and French translation of Sowerby's *Mineral Conchology* in 1841.

(Pelecypoda.)

(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Cardiomorpha</i> , L. G. de Koninck, 1842. (Descrip. Anim. Foss. Terr. Carb. Belgique, p. 101; Stoliczka, Pal. Indica, III. p. 66.)— <i>Myacea-Anatinidae?</i>			
<i>C. gryphoides</i> , de Koninck.	U.Pal.(Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 268, t. 18, f. 4.	Stony Creek, W. Maitland, N. S. Wales.
<i>C. ? striatella</i> , de Kon.	U.Pal.(Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 268, t. 20, f. 3.	Karua, N. S. Wales.
Genus <i>Cardium</i> , Linnaeus, 1758. (Systema, ed. 10, p. 678; Lamarck, 1799, Prodrome, p. 86.)— <i>Veneracea-Cardiidae</i> .			
<i>C. Australis</i> , Dana.		Vide <i>Conocardium Australis</i> , M'Coy.	
<i>C. ferox</i> , Dana.		Vide <i>Conocardium ferox</i> , Dana.	
Genus <i>Clarkia</i> , L. G. de Koninck, 1877. (Foss. Pal. Nouv.-Galles du Sud, pt. 3, p. 266.) <i>Myacea-Saxicavidae?</i>			
<i>C. myiformis</i> , Dana.	U.Pal.(Carb.)	<i>Pyramus</i> , *Am. Jour. Science, 1847, IV. p. 157; <i>Menia</i> , *Geol. U. S. Explor. Exped. p. 697, Atlas, t. 6, f. 4; <i>id. Clarke</i> , S. Goldfields, 1860, p. 257; <i>Clarkia</i> , de Koninck, *loc. cit. p. 267, t. 18, f. 1.	Wollongong, N. S. Wales.
Genus <i>Cleobis</i> , Dana, 1847. (American Jour. Sc. IV. p. 154.) Vide <i>Notomyia</i> , M'Coy.			
<i>C. gracilis</i> , Dana.		Vide <i>Maenaria gracilis</i> , Dana.	
<i>C. grandis</i> , Dana.		Vide <i>Maenaria grandis</i> , Dana.	
<i>C. recta</i> , Dana.		Vide <i>Maenaria recta</i> , Dana.	
Genus <i>Conocardium</i> , Brönn, 1835 (Lethaea Geog. I. pt. 1, p. 91)= <i>Pleurorhynchus</i> , Phillips.— <i>Veneracea-Cardiidae</i> .			
<i>C. Australis</i> , M'Coy.	U.Pal.(Carb.)	<i>Pleurorhynchus</i> , *Annals Nat. Hist. 1847, XX. p. 300, t. 16, f. 4; <i>Cardium</i> , Dana, *Geol. U. S. Expl. Exped. p. 701, Atlas, t. 18, f. 2; <i>Pleurorhynchus</i> , M'Coy, *Proc. R. Soc. V. D. Land, 1851, I. p. 324, t. 16, f. 4; <i>id. Clarke</i> , S. Goldfields, 1860, p. 287; <i>C. Australis</i> ?, de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 284.	Wollongong; Glen-don, N. S. Wales.
<i>C. ferox</i> , Dana.	U.Pal.(Carb.)	<i>Cardium</i> , *Geol. U. S. Expl. Exped. p. 701, Atlas, t. 18, f. 3; <i>id. Clarke</i> , S. Goldfields, 1860, p. 287.	Wollongong Point, N. S. Wales.

(Pelecypoda.)

(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
C. Sowerbyi, <i>de Koninck.</i>	Mid. Pal. (L. Dev.).	<i>Cardium aliforme</i> , Sow. Trans. Geol. Soc. 1840, v. t. 56, f. 2; <i>Pleurorhynchus aliformis</i> , Phillips, "Pal. Foss. Devon," 1840, p. 84, t. 17, f. 51; <i>C. Sowerbyi</i> , <i>de Kon.</i> "Foss. Pal. Nouv.-Galles du Sud," 1876, p. 109.	Yass, N. S. Wales.
Genus <i>Cypricardia</i> , Lamarck, 1819. (Histoire d. Anim. s. Vertebr. vi. pt. 1, p. 27.) <i>Veneracea-Cyprinidae.</i>			
C. acutifrons, Dana.		Vide <i>Modiolopsis acutifrons</i> , Dana.	
C. arcodes, Dana.		Vide <i>Modiolopsis arcodes</i> , Dana.	
C. imbricata, Dana.		Vide <i>Modiolopsis imbricata</i> , Dana.	
C. prærupta, Dana.		Vide <i>Modiolopsis prærupta</i> , Dana.	
C. rugulosa, Dana.		Vide <i>Pachydomus carinatus</i> , Morris.	
C. siliqua, Dana.		Vide <i>Modiolopsis siliqua</i> , Dana.	
C. simplex, Dana.		Vide <i>Modiolopsis simplex</i> , Dana.	
C. sinuosa, Dana.		Vide <i>Maenaria axinæ</i> , Dana.	
Genus <i>Edmondia</i> , <i>de Koninck</i> , 1842. (Descr. Anim. Foss. Ter. Carb. Belgique, p. 66.) <i>Myacea-Anatinidae.</i>			
E. ? <i>audax</i> ¹ , Dana.	U. Pal. (Carb.)	<i>Allorisma</i> , "American Jour. Sc. 1847, iv. p. 153; <i>Pholadomya</i> , "Geol. U. S. Expl. Expl. p. 687; Atlas, t. 3, f. 1; <i>id. et Allorisma</i> , Clarke, S. Goldfields, 1860, p. 297.	Wollongong Point, N. S. Wales.
E. <i>concentrica</i> , Etheridge.	M. Pal. (Dev.)	*Quart. Jour. Geol. Soc. 1872, xxviii, p. 328, t. 18, f. 2.	Gympie, Qu.
E. ? <i>Glendonensis</i> , Dana.	U. Pal. (Carb.)	<i>Pholadomya</i> (<i>Homomya</i>), "Geol. U. S. Expl. Expl. p. 687; Atlas, t. 2, f. 12; <i>Homomya</i> , Stutchbury, 15th Report, Parl. Blue Book, 25th July, 1856, p. 8.	Glendon, N. S. Wales.
E. <i>intermedia</i> , <i>de Koninck.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 270, t. 20, f. 4.	Near Morpeth, N. S. Wales.
E. <i>nobilissima</i> , <i>de Koninck.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 269, t. 20, f. 2.	Near Morpeth, N. S. Wales.
E. <i>obovata</i> , Etheridge.	M. Pal. (Dev.)	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 328, t. 18, f. 3.	Gympie, Qu.
E. ? <i>striatocostata</i> , McCoy.	U. Pal. (Carb.)	<i>Pullastræ</i> ; "Annals Nat. Hist. 1847, xx. p. 305, t. 14, f. 3; <i>id. Proc. R. Soc. V. D. Land</i> , 1861, i. p. 328, t. 14, f. 3; <i>Edmondia</i> <i>de Koninck</i> , "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 269, t. 18, f. 3.	Dunvegan and Burragood, N. S. Wales.

¹ The generic position of *Edmondia* ? *audax* and *E. ? Glendonensis*, is uncertain, as the internal characters have not been described; Dana concludes that the pallial line is entire. It is very hazardous to venture an opinion on a large number of these Australian fossils, without a direct examination of specimens.

(Pelecypoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Eurydesma</i> , <i>Morris</i> and <i>G. B. Sowerby</i> , 1845. (Strzelecki's Phys. Descr. N. S. Wales, p. 275.)— <i>Chamacea</i> ? <i>Tridacnida</i> ?			
<i>E. cordata</i> , <i>Morris</i> .	U. Pal. (Carb.)	<i>Iseocardia</i> ? sp. <i>J. de C. Sowerby</i> , <i>Mitchell's Three Expsd. Int. E. Austr.</i> 1838, I. p. 15, t. 2, figs. 1 and 2; <i>Eurydesma</i> , <i>Morris</i> , <i>Strzelecki's Phys. Descr. N. S. Wales</i> , 1845, p. 276, t. 12; <i>id. M'Coy</i> , <i>Annals Nat. Hist.</i> 1847, xx. p. 299; <i>id. Dana</i> , <i>*Geol. U. S. Expl. Expd.</i> p. 700; <i>id. Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie</i> , 1854, II. p. 89; <i>id. Clarke, S. Goldfields</i> , 1860, p. 287.	Illawarra; Arthur's Hill, N. S. Wales.
<i>E. elliptica</i> , <i>Dana</i> .	U. Pal. (Carb.)	* <i>American Jour. Sc.</i> 1847, IV. p. 158; * <i>Geol. U. S. Expl. Expd.</i> p. 700, <i>Atlas</i> , t. 7, f. 6.	Harper's Hill, N. S. Wales.
<i>E. globosa</i> , <i>Dana</i> .	U. Pal. (Carb.)	* <i>American Jour. Sc.</i> 1847, IV. p. 158; * <i>Geol. U. S. Expl. Expd.</i> p. 700, <i>Atlas</i> , t. 7, f. 7; <i>Clarke, S. Goldfields</i> , 1860, p. 287.	Harper's Hill, N. S. Wales.
<i>E. sacculus</i> , <i>M'Coy</i> ¹ .	U. Pal. (Carb.)	<i>Pachydomus</i> , * <i>Annals Nat. Hist.</i> 1847, IX. p. 301, t. 14, f. 5; <i>Eurydesma</i> , <i>Dana</i> , * <i>Geol. U. S. Expl. Expd.</i> p. 700, <i>Atlas</i> , t. 7, f. 8; <i>id. American Jour.</i> 1848, v. p. 434; <i>Pachydomus</i> , <i>M'Coy</i> , * <i>Proc. R. Soc. V. D. Land</i> , 1851, I. p. 325, t. 14, f. 5.	Harper's Hill; Wollongong, N. S. Wales.

Genus *Inoceramus* (*J. Sowerby*, 1814 ms.), *Parkinson*, 1819. (*Trans. Geol. Soc.* v. p. 55².) *Mytilacea-Aviculidae*.

I.? *Mitchellii*, *M'Coy*.

| *Vide Aphanaia.*

Genus *Megadesmus*, *J. de C. Sowerby*, 1838 (non *Bowdich*). *Vide Pachydomus*.

<i>M. antiquatus</i> , <i>J. de C. Sowerby</i> .	<i>Vide Pachydomus antiquatus</i> .
<i>M. cuneatus</i> , <i>J. de C. Sowerby</i> .	<i>Vide Pachydomus cuneatus</i> .
<i>M. globosus</i> , <i>J. de C. Sowerby</i> .	<i>Vide Pachydomus globosus</i> .
<i>M. latus</i> , <i>J. de C. Sowerby</i> .	<i>Vide Pachydomus latus</i> .

¹ Dana remarks that perhaps this is only the *E. cordata*, *Morris* (*Am. Jour. Sc.* 1848, v. p. 434).

² The genus *Inoceramus* was proposed and described in a paper read before the Linnean Society on Nov. 1st, 1814, by Mr J. Sowerby, "On a fossil shell of a fibrous structure, &c." The description appeared in pt. 2, vol. xix. *Linn. Trans.*, which Mr R. Kippist, Librarian to the Society, informs me was published in Dec. 1822. In the mean time Parkinson published a description of the genus (*Trans. Geol. Soc.* v. p. 55), the latter work bearing date 1819. This must therefore be accepted as the real date of the publication of *Inoceramus*, and not 1814, as is usually given in catalogues and works.

(Pelecypoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Modiola</i> ¹ , Lamarck, 1799. (Prodrome, p. 87; Système, 1801, p. 113.) <i>Mytilacea-Mytilidae</i> .			
<i>M. crassissima</i> , M'Coy.	U.Pal.(Carb.)	*Annals Nat. Hist. 1847, xx. p. 300, t. 15, figs. 2 and 3; *Proc. R. Soc. V. D. Land, 1851, i. p. 324, t. 15, figs. 2 and 3; Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 4.	Harper's Hill, N. S. Wales.
Genus <i>Modiolopsis</i> , Hall, 1847. (Pal. New York, i. p. 157.)— <i>Mytilacea-Prasinidae</i> .			
<i>M. acutifrons</i> , Dana.	U.Pal.(Carb.)	*American Jour. Sc. 1847, iv. p. 159; <i>Cypricardia</i> , *Geol. U. S. Expl. Expd. p. 702, Atlas, t. 8, f. 4; <i>id. Clarke</i> , S. Goldfields, 1860, p. 288.	District of Illawara, N. S. Wales.
<i>M. arcodes</i> , Dana.	U.Pal.(Carb.)	*American Jour. Sc. 1847, iv. p. 159; <i>Cypricardia</i> , *Geol. U. S. Expl. Expd. p. 702, Atlas, t. 8, figs. 5—7.	Harper's Hill, N. S. Wales.
<i>M. imbricata</i> , Dana.	U.Pal.(Carb.)	*American Jour. Sc. 1847, iv. p. 159; <i>Cypricardia</i> , *Geol. U. S. Expl. Expd. p. 703, Atlas, t. 8, f. 8.	Harper's Hill, N. S. Wales.
<i>M. prærupta</i> , Dana.	U.Pal.(Carb.)	*American Jour. Sc. 1847, iv. p. 159; <i>Cypricardia</i> , *Geol. U. S. Expl. Expd. p. 703, t. 8, f. 10; <i>id. Clarke</i> , S. Goldfields, 1860, p. 288.	District of Illawara, N. S. Wales.
<i>M. ? siliqua</i> , Dana.	U.Pal.(Carb.)	<i>Modiolopsis</i> , *American Jour. Sc. 1847, iv. p. 159; <i>Cypricardia</i> , *Geol. U. S. Expl. Expd. p. 703, Atlas, t. 9, f. 1; <i>id. Clarke</i> , S. Goldfields, 1860, p. 288.	District of Illawara, N. S. Wales.
<i>M. ? simplex</i> , Dana.	U.Pal.(Carb.)	<i>Modiolopsis</i> , *American Jour. Sc. 1847, iv. p. 159; <i>Cypricardia</i> , *Geol. U. S. Expl. Expd. p. 703, Atlas, t. 9, f. 2; <i>id. Clarke</i> , S. Goldfields, 1860, p. 288.	
<i>M. ? veneris</i> , Dana.	U.Pal.(Carb.)	<i>Modiolopsis</i> , *Geol. U. S. Expl. Expd. p. 704, t. 9, f. 8.	Glendon, N. S. Wales.

Genus *Mæonia*, Dana, 1847. (Amer. Jour. Science, iv. p. 158.) Vide *Notomya*, M'Coy².

<i>M. axinia</i> , Dana.	Vide <i>Notomya axinia</i> .
<i>M. elliptica</i> , Dana.	Vide <i>Notomya elliptica</i> .
<i>M. elongata</i> , Dana.	Vide <i>Notomya elongata</i> .

¹ *Volsella*, Scopoli, 1777, has precedence of *Modiola*, Lamk. 1799; written *Modiolus* by Lamarck in 1799, and changed to *Modiola* in 1801.

² The late Dr Stoliczka has remarked that "great confusion exists amongst the fossils which have been described from the N. S. Wales Palæozoic rocks, and some of the species described as

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(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>M. fragilis, Dana.</i>		Vide <i>Notomya fragilis.</i>	
<i>M. gigas, Dana.</i>		Vide <i>Pachydomus gigas</i> , M'Coy.	
<i>M. gracilis, Dana.</i>		Vide <i>Notomya gracilis</i> , Dana.	
<i>M. grandis, Dana.</i>		Vide <i>Notomya grandis</i> , Dana.	
<i>M. Koninckii, W. B. Clarke.</i>		Vide <i>Notomya Koninckii</i> , W. B. Clarke.	
<i>M. myiformis, Dana.</i>		Vide <i>Clarkia myiformis.</i>	
<i>M. recta, Dana.</i>		Vide <i>Notomya recta.</i>	
<i>M. valida, Dana.</i>		Vide <i>Notomya valida.</i>	

Genus *Mytilus*¹, *Linnaeus*, 1758 (Systema, ed. 10, i. p. 704; *Lamarck*, Prodrome, 1799, p. 88; &c.) = *Perna*, *Adanson*, 1757.—*Mytilacea*-*Mytilidae*.

<i>M. Bigsbyi, de Kon.</i>	<i>U.Pal.(Carb.)</i>	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 288, t. 21, f. 1.	Branxton, N. S. Wales.
<i>M. crassiventer, de Kon.</i>	<i>U.Pal.(Carb.)</i>	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 288, t. 21, f. 2.	Branxton, N. S. Wales.

Genus *Notomya*, M'Coy, 1847 (Annals Nat. Hist. ix. p. 303; *Stoliczka*, Pal. Indica, III. p. 83) = *Myonia et Meonia*, Dana, 1847 (non *Myonia*, Adams, 1860); *Cleobis*, Dana, 1847; *Pyramus*, Dana, 1847.—*Myacea*-*Saxicatidae*?

<i>N. axinias, Dana.</i>	<i>U.Pal.(Carb.)</i>	<i>Cypriocardia? sinuosa</i> , Dana, *Am. Jour. Science, 1847, iv. p. 157; <i>M. axinea</i> , *Geol. U. S. Explor. Exped. p. 696, Atlas, t. 5, f. 5; <i>C. sinuosa</i> et <i>M. axinia</i> , Clarke, S. Goldfields, 1860, pp. 287, 288.	Illawarra, N. S. Wales.
<i>N. clavata, M'Coy.</i>	<i>U.Pal.(Carb.)</i>	*Annals Nat. Hist. 1847, xx. p. 304, t. 15, f. 4; *Proc. R. Soc. V. D. Land, 1851, i. p. 327, t. 15, f. 4; Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 4; Clarke, S. Goldfields, 1860, p. 287.	Wollongong, N. S. Wales.

Notomya or *Meonia* may just as well belong to *Pachydomus*, and *vice versa* (Pal. Indica, III. p. 83). *Meonia* (*Myonia*), *Cleobis*, and *Pyramus* were proposed as new genera by Prof. Dana in 1847, but in the next year he suggested that the various species contained in the three so-called genera should be brought together under the one name *Meonia*, "as the gradations are such that it is difficult to draw lines of distinction" (Amer. Jour. Sc. 1848, v. p. 434). Again he says, "the divisions may, perhaps, form sub-genera" (Geol. U. S. Explor. Exped. p. 694). The section *Pyramus* or *Pyramia* is stated to correspond with *Notomya*, M'Coy, and is slightly antecedent to it in date. As, however, I agree with Dr Stoliczka in considering M'Coy's description "far more intelligible than that given by Dana of his genus," and as in addition M'Coy no doubt correctly indicated the affinities of his genus, I prefer to adopt the latter for the whole of the species which have been referred to these genera. In dealing with this portion of my subject I have experienced the utmost difficulty, and can only offer the present synonymy as a temporary solution, until some palæontologist is afforded an opportunity of working the subject out in detail. To his previous remarks on this subject Dr Stoliczka adds, "neither in the text nor Atlas of his later work does Dana mention which of the species belong to each of the three sub-genera; and from the descriptions and figures the reader will find it very difficult to arrive at anything like accuracy of determination."

¹ The name *Mytilus* should give place to that of *Perna*, *Adanson*, proposed in the *Voy. au Sénégal* (p. 217). Although *Adanson* was not a binomial writer, *Perna*, like many other of his genera, was perfectly well characterised, and ought to be adopted.

(Pelecypoda.)

(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>N. elliptica</i> , <i>Dana</i> .	U. Pal. (Carb.)	<i>Pyramus</i> , *Amer. Jour. Sc. 1847, iv. p. 158; <i>Meonia</i> , *Geol. U. S. Explor. Exped. p. 697, Atlas, t. 6, f. 5; <i>id.</i> Clarke, S. Gold-fields, 1860, p. 287.	Wollongong Point, N. S. Wales.
<i>N. elongata</i> , <i>Dana</i> .	U. Pal. (Carb.)	<i>Myonia</i> , *Amer. Jour. Sc. 1847, iv. p. 158; <i>Meonia</i> , *Geol. U. S. Explor. Exped. p. 695, Atlas, t. 5, f. 8; <i>id.</i> Clarke, S. Gold-fields, 1860, p. 287; <i>id.</i> de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 280, t. 20, f. 6.	Black Head, Illawara; Wollongong, N. S. Wales.
<i>N. fragilis</i> , <i>Dana</i> .	U. Pal. (Carb.)	*Geol. U. S. Expl. Exped. p. 696, Atlas, t. 6, f. 2 and 3.	Glendon, N. S. Wales.
<i>N. gracilis</i> , <i>Dana</i> .	U. Pal. (Carb.)	<i>Cleobis</i> , *Amer. Jour. Sc. 1847, iv. p. 154; <i>Meonia</i> , *Geol. U. S. Explor. Exped. p. 698, Atlas, t. 7, f. 1; <i>id.</i> Clarke, S. Gold-fields, 1860, p. 287; <i>id.</i> de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 281, t. 19, f. 1.	Wollongong; Muree, N. S. Wales.
<i>N. grandis</i> , <i>Dana</i> .	U. Pal. (Carb.)	<i>Cleobis</i> , *American Jour. Sc. 1847, iv. p. 154; <i>Meonia</i> , *Geol. U. S. Expl. Exped. p. 697, Atlas, t. 6, f. 8; <i>id.</i> Clarke, S. Gold-fields, p. 287.	Wollongong Point, N. S. Wales.
<i>N. Koninckii</i> , <i>W. B. Clarke</i> .	U. Pal. (Carb.)	<i>Meonia</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 279, t. 19, f. 6.	Cololamine, N. S. Wales.
<i>N. recta</i> , <i>Dana</i> .	U. Pal. (Carb.)	<i>Cleobis</i> , *American Jour. Sc. 1847, iv. p. 154; <i>Meonia</i> , *Geol. U. S. Expl. Exped. p. 698, Atlas, t. 7, f. 2; <i>Meonia</i> , Clarke, S. Gold-fields, 1860, p. 287.	Wollongong Point, N. S. Wales.
<i>N. securiformis</i> , <i>M' Coy.</i>	U. Pal. (Carb.)	*Annals Nat. Hist. 1847, xx. p. 304, t. 15, fig. 5; *Proc. R. Soc. V. D. Land, 1851, i. p. 327, t. 15, f. 5.	Wollongong, N. S. Wales.
<i>N. valida</i> , <i>Dana</i> .	U. Pal. (Carb.)	<i>Myonia</i> , *American Jour. Sc. 1847, iv. p. 158; <i>Meonia</i> , *Geol. U. S. Expl. Exped. p. 695, t. 5, f. 4.	Black Head, Illawara, N. S. Wales.

Genus *Nucula*, *Lamarck*, 1799. (Prodrome, p. 87; Système, 1801, p. 115.)
Arcacea-Nuculidae.

<i>N. abrupta</i> , <i>Dana</i> .	U. Pal. (Carb.)	*American Jour. Sc. 1847, iv. p. 157; *Geol. U. S. Expl. Exped. p. 698, Atlas, t. 7, f. 8; Clarke, S. Gold-fields, 1860, p. 287.	Wollongong Point, N. S. Wales.
<i>N. concinna</i> , <i>Dana</i> .	U. Pal. (Carb.)	*Geol. U. S. Expl. Exped. p. 699, Atlas, t. 7, f. 4.	Harper's Hill, N. S. Wales.
<i>N. Glendonensis</i> , <i>Dana</i> .	U. Pal. (Carb.)	*Geol. U. S. Expl. Exped. p. 699, Atlas, t. 7, f. 5.	Glendon, N. S. Wales.

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(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Nuculana</i> , Link, 1807 (Beischreibung Natur. Sammlung Bostok, III, p. 155! ; Meek, Report Invert. Cret. Foss. Up. Missouri, 1876, p. 103) = <i>Leda</i> , Schumacher, 1817. — <i>Arcacea-Nuculanidae</i> .			
N. Darwinii, de Kon.	U.Pal.(Carb.)	<i>Tellinomya</i> , "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 285, t. 16, f. 9.	Stony Creek, N. S. Wales.
Genus <i>Orthonota</i> , Conrad, 1841 (see p. 23). — <i>Lucinacea-Solemyidae</i> .			
O.? compressa, Morris.	U.Pal.(Carb.)	<i>Orthonota</i> ! Strzelecki's "Phys. Descr. N. S. Wales, p. 274, t. 18, f. 4; <i>Orthonota</i> , M'Coy, Annals Nat. Hist. 1847, XX, p. 300; <i>id. Grange</i> , Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, II, p. 96.	Harper's Hill, N. S. Wales.
O.? costata, Morris.		Vide <i>Pleurophorus Morrisii</i> , de Koninck.	Spring Hill, Tas.
Genus <i>Pachydomus</i> , Morris, 1845 (Strzelecki's Phys. Descr. N. S. Wales, p. 271) = <i>Megadermus</i> , J. de C. Sowerby (non Bowdich). — <i>Lucinacea-Astartidae</i> .			
P. antiquatus, J. de C. Sowerby.	U.Pal.(Carb.)	<i>Megadermus</i> , Mitchell's Three Exps. Int. E. Austr. 1838, I. p. 15, t. 1, f. 2; <i>Pachydomus</i> , Morris, "Strzelecki's Phys. Des. N. S. Wales, p. 272; <i>id. Dana</i> , "Geol. U. S. Expl. Expd. p. 693, Atlas, t. 5, f. 2; <i>id. Grange</i> , Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, II, p. 89.	Wollongong; Harper's Hill, N. S. Wales.
P. carinatus, Morris.	U.Pal.(Carb.)	Strzelecki's "Phys. Descr. N. S. Wales, 1845, p. 273, t. 11, figs. 3 and 4; <i>Cypicardia rugulosa</i> , Dana, "American Jour. Sc. 1847, IV, p. 157; <i>P. carinatus</i> , M'Coy, Annals Nat. Hist. 1847, XX, p. 301; <i>Mæonia</i> ! <i>carinata</i> , Dana, "Geol. U. S. Expl. Expd. p. 696; <i>Pachydomus</i> , Grange, Dumont-d'Urville's Voyage au Pole Sud, Géol. 1854, II, p. 89; <i>Cyp. rugulosa</i> , <i>Pachy. carinatus</i> , et <i>M. carinata</i> , Clarke, S. Gold-fields, 1860, pp. 287, 288; <i>Pleurophorus</i> !, de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 283, t. 19, f. 8.	Illawara; Wollongong, N. S. Wales.
P. cuneatus, J. de C. Sowerby.	U.Pal.(Carb.)	<i>Megadermus</i> , Mitchell's Three Exps. Int. E. Austr. 1838, I. p. 15, t. 1, f. 3; <i>Pachydomus</i> , Morris, "Strzelecki's Phys. Des. N. S. Wales, 1845, p. 272; <i>id.</i>	Illawara; Wollongong; Harper's Hill, N. S. Wales.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
P. <i>Danai</i> , <i>de Kon.</i>	U.Pal.(Carb.)	Dana, "Geol. U. S. Expl. Expd. p. 693, Atlas, t. 5, f. 1; <i>id.</i> Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, II, p. 89. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 278, t. 19, f. 5.	Wollongong, N. S. Wales.
P. <i>gigas</i> , <i>M'Coy.</i>	U.Pal.(Carb.)	*Annals Nat. Hist. 1847, XX. p. 301, t. 16, f. 8; <i>Meonita</i> , Dana, "Geol. U. S. Explor. Exped. p. 697; <i>Pachydomus</i> , M'Coy, "Proc. R. Soc. V.D. Land, 1851, I. p. 825, t. 16, f. 8; <i>id.</i> Plews, Mining Inst. Jour. 1858, VI. pt. 8, t. 4; <i>id.</i> Clarke, S. Gold-fields, 1860, p. 287; <i>id.</i> de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 274.	Wollongong; Mt Vincent, N. S. Wales.
P. <i>globosus</i> , <i>J. de C. Sowerby.</i>	U.Pal.(Carb.)	Mitchell's "Three Expeds. Int. E. Austr. 1838, p. 15, t. 8, f. 1 and 2; <i>Pachydomus</i> , Morris, in "Strzelecki's Phys. Descri. N. S. Wales, 1845, p. 272, t. 10, f. 2 and 8; <i>id.</i> M'Coy, Annals Nat. Hist. 1847, XX. p. 301; <i>id.</i> Grange, Dumont-d'Urville's Voyage au Pole Sud, Géol. 1854, II, pp. 89 and 96; <i>id.</i> Clarke, S. Gold-fields, 1860, p. 287; <i>id.</i> de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 272, t. 18, f. 5.	Illawara; Harper's Hill; Lochinvar, N. S. Wales. Mount Dromedary and Wellington, Tas.
P. <i>levia</i> , <i>J. de C. Sowerby.</i>	U.Pal.(Carb.)	<i>Megadesmus</i> , Mitchell's Three Expeds. Int. E. Austr. 1838, I. p. 15, t. 1, f. 1; <i>Pachydomus</i> , Morris, "Strzelecki's Phys. Descri. N. S. Wales, 1845, p. 272; <i>id.</i> Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, II, p. 89; <i>id.</i> Clarke, S. Gold-fields, 1860, p. 287; <i>id.</i> de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 278, t. 20, f. 1.	Illawara, N. S. Wales.
P. <i>ovalis</i> , <i>M'Coy.</i>	U.Pal.(Carb.)	*Annals Nat. Hist. 1847, XX. p. 302, t. 14, f. 4; <i>Asztaria</i> , Dana, "American Jour. Sc. 1848, V. p. 434; "Proc. R. Soc. V.D. Land, 1851, I. p. 825, t. 14, f. 4; <i>id.</i> Plews, Mining Inst. Jour. 1858, VI. pt. 8, t. 4; Clarke, S. Gold-fields, 1860, p. 287; de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 275, t. 19, f. 8 (?= <i>Asztaria intrepidus</i> , Dana).	Wollongong, N. S. Wales.

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(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. pusillus</i> , M'Coy.	U. Pal. (Carb.)	*Annals Nat. Hist. 1847, xx, p. 802, t. 16, f. 1 and 2; *Proc. R. Soc. V. D. Land, 1851, I. p. 325, t. 16, f. 1 and 2; Clarke, S. Goldfields, 1860, p. 287; de Koninck, *Foss. Pal. Nouv. Galles du Sud, 1877, pt. 3, p. 276, t. 19, f. 2; ? = <i>Astartila cytherea</i> , Dana.	Wollongong, N. S. Wales.
<i>P. sacculus</i> .		? Vide <i>Eurydeema</i> .	
Genus <i>Palæarca</i> , J. Hall, 1859 (see p. 23).			
<i>P. costellata</i> , de Kon.	U. Pal. (Carb.)	Vide <i>Arca costellata</i> , M'Coy.	
<i>P. interrupta</i> , de Koninck.		" " de Kon.	
<i>P. subarguta</i> , de Koninck.			
Genus <i>Paracyclas</i> , J. Hall, 1843. (Geol. Report, 4th District N. York, p. 171; de Koninck, Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 108.) ? <i>Lucinacea-Lucinidae</i> .			
<i>P. elliptica</i> , Phillips.	M. Pal. (Dev.)	<i>Pullastra</i> , *Pal. Foss. Devon. 1840, p. 35, t. 17, f. 54; <i>Paracyclas</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, p. 109.	Yass, N. S. Wales.
Genus <i>Pecten</i> , O. F. Müller, 1776. (Zool. Danica Prod. p. 248; Lamarck (emend.), Prodrome, 1799, p. 88.)— <i>Ostracea-Pectinidae</i> .			
<i>P. Fittoni</i> , Morris.		Vide <i>Aviculopecten Fittoni</i> .	
<i>P. Illawarensis</i> , Morris.		Vide <i>Aviculopecten Illawarensis</i> .	
<i>P. limæformis</i> , Morris.		Vide <i>Aviculopecten limæformis</i> .	
<i>P. comptus</i> , Dana.		Vide <i>Aviculopecten comptus</i> .	
<i>P. leniusculus</i> , Dana.		Vide <i>Aviculopecten leniusculus</i> .	
<i>P. lineatus</i> , Plews.		Vide <i>Aviculopecten lineatus</i> .	
<i>P. mitis</i> , Dana.		Vide <i>Aviculopecten mitis</i> .	
<i>P. ptychotis</i> , M'Coy.		Vide <i>Aviculopecten ptychotis</i> .	
<i>P. squamuliferus</i> , Morris.		Vide <i>Aviculopecten squamuliferus</i> .	
<i>P. tenuicollis</i> , Dana.		Vide <i>Aviculopecten tenuicollis</i> .	
Genus <i>Pholadomya</i> , G. B. Sowerby, 1823. (Genera of Shells, No. 19, J. de C. Sow. Min. Con. 1827, vi. p. 85 = <i>Procardia</i> , Meek, 1871.)— <i>Myacea-Anatinidae</i> .			
<i>P. audax</i> , Dana.		Vide <i>Edmondia</i> ? <i>audax</i> .	
<i>P. curvata</i> , Dana.		Vide <i>Allorisma curvata</i> .	
<i>P. Glendonensis</i> , Dana.		Vide <i>Edmondia</i> ? <i>Glendonensis</i> .	
<i>P. undata</i> , Dana.		Vide <i>Edmondia</i> ? <i>undata</i> .	

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(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Pleurophorus</i> , <i>King</i> , 1844. (Annals Nat. Hist. xiv. p. 313; Catalogue Perm. Foss. 1848, p. 11; Mon. Perm. Foss. 1850, p. 180; Meek and Hayden, Pal. Up. Missouri, 1865, p. 84; Stoliczka, Pal. Indica, iii. p. 280.) <i>Lucinacea-Astartidae.</i>			
<i>P. bplex</i> , <i>de Kon.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 282, t. 19, f. 1.	Wollongong, N. S. Wales.
<i>P. carinatus</i> , <i>de Koninck.</i>		Vide <i>Pachydomus carinatus</i> , Morris.	
<i>P. Morrisii</i> , <i>de Kon.</i>	U. Pal. (Carb.)	<i>Orthonota?</i> <i>costata</i> , Morris, in Strzelecki's "Phys. Descr. N. S. Wales, 1845, p. 278, t. 11, f. 1 and 2 (non <i>Pleurophorus costatus</i> , Brown); <i>Orthonota costata</i> , M'Coy, "Annals Nat. Hist. 1847, xx. p. 300; <i>Cardinia costata</i> , Dana, "Geol. U. S. Explor. Exped. p. 692, Atlas, t. 4, f. 8; <i>O. costata</i> , Grange, Dumont-d'Urville's Voy. au Pole Sud, Géol. 1854, ii. p. 89; <i>id.</i> Clarke, S. Goldfields, 1860, p. 287; <i>Pleurophorus Morrisii</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 281, t. 20, f. 5.	Illawara; Wollongong, N. S. Wales.

Genus *Pleurorhynchus*, *Phillips*, 1836. (Geol. Yorkshire, ii. p. 210.) Vide *Conocardium*, Bronn.

<i>P. Australis</i> , <i>M'Coy</i> .		Vide <i>C. Australis</i> .	
Genus <i>Pterinea</i> , <i>Goldfuss</i> , 1832 (see p. 24).— <i>Mytilacea-Aviculidae.</i>			
<i>P. laminosa</i> , <i>de Kon.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 116, t. 3, f. 12.	Yass, N. S. Wales.
<i>P. macroptera</i> , <i>Morris.</i>	U. Pal. (Carb.)	Strzelecki's "Phys. Descrip. N. S. Wales, 1845, p. 276, t. 18, f. 2 and 3; Dana, "Geol. U. S. Explor. Exped. p. 704; M'Coy, Annals Nat. Hist. 1847, xx. p. 299; Grange, Dumont-d'Urville's Voy. au Pole Sud, Géol. 1854, ii. p. 96; Clarke, S. Goldfields, 1860, p. 287; de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 305, t. 16, f. 12.	Illawara; Maitland, N. S. Wales. Spring Hill; Port Arthur, Tas.

Genus *Pteronites*, *M'Coy*, 1844. (Synop. Carb. Foss. Ireland, p. 81; Brit. Pal. Foss. 1852, p. 891; Stoliczka, Pal. Indica, iii. p. 388.)—*Mytilacea-Aviculidae.*

<i>P. latus</i> , <i>M'Coy</i> .	U. Pal. (Carb.)	*Synop. Carb. Foss. Ireland, 1844, p. 81, t. 13, f. 7; <i>Avicula</i> , d'Orbigny, "Prodrome de Pal. 1849, i. p. 185; <i>Pteronites</i> , Morris,	William's River, N. S. Wales.
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(Pelecypoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		Cat. Brit. Foss. 2nd ed. 1854, p. 181; <i>Pterinea</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 306, t. 16, f. 11.	
Genus <i>Pullastra</i> , G. B. Sowerby, 1827 (Genera of Shells, No. xxviii., Zool. Jour. 1827, iii. p. 134) = <i>Tapes</i> , Megerle.			
P. ? <i>striatocostata</i> , M'Coy.		Vide <i>Edmondia</i> .	
Genus <i>Pyramus</i> , Dana, 1847 (Amer. Jour. Science, iv. p. 156) = <i>Pyramia</i> , Dana. Vide <i>Notomya</i> , M'Coy.			
P. <i>ellipticus</i> , Dana.		Vide <i>Notomya elliptica</i> .	
P. <i>myiformis</i> , Dana.		Vide <i>Clarkia myiformis</i> .	
Genus <i>Sanguinolites</i> , M'Coy, 1844. (Synop. Carb. Foss. Ireland, p. 47; Brit. Pal. Foss. 1852, p. 276; de Koninck, Mon. Foss. Carb. Bleiberg en Carinthie, 1873, p. 78.) — <i>Myacea-Anatinida?</i>			
S. <i>curvatus</i> , de Kon.		Vide <i>Allorisma?</i> <i>curvata</i> , Morris.	
S. <i>Etheridgei</i> , de Koninck.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 262, t. 16, f. 2, t. 17, f. 2.	Mount Vincent, N. S. Wales.
S. M'Coyi, de Kon.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 263, t. 17, f. 3.	Wollongong, N. S. Wales.
S. <i>Mitchellii</i> , de Kon.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 261, t. 16, f. 3.	Wollongong, N. S. Wales.
S. <i>Tenisoni</i> , de Kon.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 265, t. 17, f. 5.	Burragood, N. S. Wales.
S. <i>undatus</i> , Dana.	U. Pal. (Carb.)	<i>Pholadomya</i> , "Amer. Jour. Sc. 1847, IV. p. 153; <i>id.</i> "Geol. U. S. Explor. Exped. p. 687, t. 2, f. 11; <i>id.</i> Clarke, S. Gold-fields, 1860, p. 287; <i>Sanguinolites</i> , de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 260, t. 17, f. 1.	Wollongong Point; Illawara; Burragood, N. S. Wales.
S. ? <i>depressa</i> , de Kon.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 259, t. 15, f. 6.	Budhan, N. S. Wales.
S. ? <i>lamellifera</i> , de Koninck.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 260, t. 15, f. 7.	Harper's Hill, N. S. Wales.

A CATALOGUE OF AUSTRALIAN FOSSILS.

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(Pelecypoda¹.)

(Mid. and Up. Palaeozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Solecurtus</i> , de Blainville, 1824. (Dict. Sc. Nat. xxxii. p. 351.) <i>Myacea-Solenidae</i> .			
<i>S. ellipticus</i> , Dana.	U. Pal. (Carb.)	<i>Solen</i> , *American Jour. Sc. 1847, iv. p. 153; <i>Solecurtus</i> ?, *Geol. U. S. Expl. Expd. p. 686, Atlas, t. 2, f. 9; <i>id.</i> Clarke, S. Gold-fields, 1860, p. 287.	Wollongong Point, N. S. Wales.
<i>S. planulatus</i> , Dana.	U. Pal. (Carb.)	<i>Solen</i> , *American Jour. Sc. 1847, iv. p. 153; <i>Solecurtus (Pammobbia?)</i> , *Geol. U. S. Expl. Expd. p. 687, Atlas, t. 2, f. 10.	Harper's Hill, N. S. Wales.
Genus <i>Solen</i> , Linnaeus, 1758. (Systema, ed. 10, p. 672; Lamarck, 1799, Prodrome, p. 83.) <i>Myacea-Solenidae</i> .			
<i>S. ellipticus</i> , Dana.		Vide <i>Solecurtus ellipticus</i> , Dana.	
<i>S. planulatus</i> , Dana.		Vide <i>Solecurtus planulatus</i> , Dana.	
Genus <i>Tellinomya</i> , 1847 (see p. 24).— <i>Arcacea-Nuculidae</i> .			
<i>T. Clarkei</i> , de Kon.	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 111, t. 8, f. 8.	Yass, N. S. Wales.
<i>T. Darwinii</i> , de Kon.		Vide <i>Nuculana</i> .	
Genus <i>Venus</i> , Linnaeus, 1758. (Systema, ed. 10, p. 684; Lamarck, 1799, Prodrome, p. 84.) <i>Veneracea-Veneridae</i> .			
<i>V.?</i> <i>gregaria</i> , M'Coy.	U. Pal. (Carb.)	*Annals Nat. Hist. 1847, xx. p. 305, t. 16, f. 5; *Proc. R. Soc. V. D. Land, 1851, i. p. 328, t. 16, f. 5; Clarke, S. Gold-fields, 1860, p. 287.	Wollongong, N. S. Wales.
Class—Gasteropoda.			
Genus <i>Bellerophon</i> , de Montfort, 1808 (see p. 24).— <i>Nucleobr.-Atlantida?</i>			
<i>B. contractus</i> , Jukes (ms.).	U. Pal. (Carb.)	*Quart. Jour. Geol. Soc. 1847, iii. p. 242; Phys. Structure of Australia, 1860, p. 20.	Illawara, N. S. Wales.
<i>B. convolutus</i> , de Koninck.	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 118, Atlas, t. 4, f. 4.	Yass, N. S. Wales.
<i>B. decussatus</i> , Fleming.	U. Pal. (Carb.)	*Brit. Animals, 1828, p. 328; Phillips, *Geol. Yorksh. 1836, ii. p. 231, t. 17, f. 13; <i>B. reticulatus</i> , M'Coy, *Synop. Carb. Foss. Ireland, 1844, p. 25, t. 2, f. 5; <i>B. decussatus</i> , de Koninck,	N. S. Wales.

¹ Prof. M'Coy has indicated two new species of *Grammysia* and *Orthonota* from Victorian Devonian rocks. (Smyth's Progress Rept. 1874, p. 31.)

(Gasteropoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>B. interstrialis</i> , <i>M'Coy.</i>	U. Pal. (Carb.)	*Descrip. Anim. Foss. Terr. Carb. Belg. 1844, p. 339, t. 29, f. 2 and 3, t. 30, f. 3; <i>id. M'Coy.</i> , *Brit. Pal. Foss. p. 552; <i>id. Brown</i> , *Foss. Conch. 1849, p. 38, t. 26, f. 21; <i>id. de Kon.</i> Mon. Foss. Carb. Carinthie, 1873, p. 97, t. 4, f. 1; <i>id. ibid.</i> Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 366; <i>id. Etheridge</i> , jun. *Geol. Mag. 1876, Dec. 2, vol. III. p. 154, t. 6, f. 8 <i>a</i> and <i>b</i> .	Dunvegan, N. S. Wales.
<i>B. micromphalus</i> , <i>Morris.</i>		*Annals Nat. Hist. 1847, xx. p. 308, t. 17, f. 6; *Proc. R. Soc. V. D. Land, 1851, i. p. 330, t. 17, f. 6.	
<i>B. strictus</i> , <i>Dana.</i>		Vide <i>Goniatites</i> .	
<i>B. subglobatus</i> , <i>M'Coy.</i>	M. Pal. (Dev.)	Vide <i>Goniatites</i> . <i>B. globatus</i> , J. de C. Sow. *Geol. Trans. 2nd ser. v. 1840, t. 53, f. 30; <i>id. Phillips</i> , *Pal. Foss. Devon. 1841, p. 108, t. 40, f. 202; <i>B. subglobatus</i> , <i>M'Coy</i> , *Brit. Pal. Foss. p. 400; <i>id. Morris</i> , Cat. Brit. Foss. 2nd ed. 1854, p. 288; <i>?B. globatus</i> , Stutchbury, Parl. Blue Book, Dec. 1854, p. 19.	Pallal, nr. Bingera, N. S. Wales.
<i>B. undulatus</i> , <i>Dana.</i>		Vide <i>Goniatites</i> .	
Genus <i>Capulus</i> , <i>de Montfort</i> , 1810 (Conch. Syst. II. p. 54) = <i>Pileopsis</i> , <i>Lamarck</i> , 1812; <i>Platyceras</i> , <i>Conrad</i> , 1840; <i>Acroculia</i> , <i>Phillips</i> , 1841.— <i>Prosobr.-Capulidae</i> .			
<i>C. altus</i> , <i>Dana.</i>	U. Pal. (Carb.)	<i>Pileopsis alta</i> , *Geol. U.S. Explor. Exped. p. 706, Atlas, t. 9, f. 14; <i>Platyceras altum</i> , <i>de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 318, t. 23, f. 5.	Harper's Hill, N. S. Wales.
<i>C. angustus</i> , <i>Phillips</i> .	U. Pal. (Carb.)	<i>Pileopsis</i> , *Geol. York. 1836, II. p. 224, t. 14, f. 20; <i>Acroculia</i> , <i>M'Coy</i> , *Synopsis Carb. Foss. Ireland, 1844, p. 44; <i>Pileopsis</i> , <i>Brown</i> , *Foss. Conchology, 1849, p. 108, t. 47, f. 54; <i>Capulus</i> , <i>Morris</i> , Cat. Brit. Foss. 2nd ed. 1854, p. 289; <i>Platyceras</i> , <i>de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 316, t. 23, f. 7.	Burrageod, N. S. Wales.
<i>C. tenellus</i> , <i>Dana.</i>	U. Pal. (Carb.)	<i>Patella</i> , *Amer. Jour. Sc. 1847, IV. p. 151; <i>Pileopsis</i> , *Geol. U.S. Explor. Exped. p. 706, Atlas, t. 9, f. 13; <i>Patella</i> , <i>Clarke</i> , S. Goldfields, 1860, p. 288; <i>Plat-</i>	Harper's Hill; Co-locolo, N. S. Wales.

(Gasteropoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
C. trilobus, <i>Phillips.</i>	U.Pal.(Carb.)	<p><i>ceras</i>, de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 819, t. 23, f. 6.</p> <p><i>Pileopsis</i> ? "Geol. York, 1836, n. p. 224, t. 14, f. 12 and 18;</p> <p><i>Capulus vetus</i>, de Koninck, "Descrip. Anim. Foss. Terr. Carb. Belgique, 1842, p. 332 (non Sow.); <i>Acroculia triloba</i>, M'Coy, "Synop. Carb. Foss. Ireland, 1844, p. 45; <i>Pileopsis</i>, Brown, "Foss. Conchology, 1849, p. 108, t. 47, f. 50 and 55;</p> <p><i>Capulus trilobatus</i>, Morris, Cat. Brit. Foss. 2nd ed. 1854, p. 239;</p> <p><i>Platyceras trilobatum</i>, de Kon. "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 817.</p>	Burragood, N. S. Wales.
Genus <i>Dentalium</i> , <i>Linnaeus</i> , 1758 ¹ . (Systema, ed. 10, p. 785; Lamarck, Prodrome, 1799, p. 78; Adams, Genera, 1854, i. p. 456).— <i>Prosobr.-Dentaliidae</i> .			
D. antiquum, <i>Goldfuss.</i>	M. Pal. (L. Dev.)	<p>"Pet. Germanie, 1841, iii. p. 2, t. 166, f. 2; de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 117.</p>	Yass; Yarradong, N. S. Wales.
D. cornu, <i>de Kon.</i>	U.Pal.(Carb.)	"Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 815, t. 23, f. 4.	Karua, N. S. Wales.
D. tenuissimum, <i>de Koninck.</i>	M. Pal. (L. Dev.)	<p>"Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 117, Atlas, t. 4, f. 3.</p>	Yass, N. S. Wales.
Genus <i>Euomphalus</i> , <i>J. Sowerby</i> , 1814 (see p. 24).— <i>Prosobr.-Turbinidae</i> ?			
E. catillus, <i>Martin.</i>	U.Pal.(Carb.)	<p><i>Conch.</i> (<i>Helicites</i>), "Pet. Derb. 1809, t. 7, f. 1 and 2; <i>Euomphalus</i>, de Koninck, "Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 427, t. 24, f. 10; <i>id.</i> M'Coy, "Synop. Carb. Foss. Ireland, 1844, p. 36; <i>id.</i> Brown, "Foss. Conchology, 1849, p. 81, t. 42, f. 80 and 81; <i>Straparolus</i> ? M'Coy, "Brit. Pal. Foss. p. 538; <i>Euomphalus</i>, Morris, Cat. Brit. Foss. 1854, 2nd ed. p. 247; <i>id.</i> de Koninck, "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 332, t. 23, f. 19.</p>	Maitland, N. S. Wales.
E. Bigsbyi, <i>de Kon.</i>	Mid. Pal. (L. Dev.)	"Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 123, Atlas, t. 4, f. 8.	Yass, N. S. Wales.

¹ The name *Dentalium* was used by Aldrovandus in 1642, and by Linnaeus as early as 1740 (Meek)! Stoliczka gives the original reference as Aldrovandus, 1642, *De Testaceis*, lib. 3, cap. 5, p. 282!

(Gasteropoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>E. minimus</i> , M'Coy.	U. Pal. (Carb.)	*Annals Nat. Hist. 1847, xx. p. 305, t. 17, f. 4; *Proc. R. Soc. V. D. Land, 1851, i. p. 328, t. 17, f. 4; Clarke, S. Goldfields, 1860, p. 288; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 331, t. 23, f. 17.	Dunvegan; Burragood, N.S. Wales.
<i>E. nodulosus</i> , de Koninck.	Mid. Pal. (L. Dev.)	*Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 122; Atlas, t. 1, f. 12.	Yarradong, N. S. Wales.
Genus <i>Litterina</i> , <i>Ferrussac</i> , 1820 (Tab. Syst. Anim. Moll. p. xxxiv.) = <i>Trochus</i> , <i>Adanson</i> (non Linn.)— <i>Prosobr. Littorinidae</i> .			
<i>L. filosa</i> , <i>J. de C. Sowerby</i> .		Vide <i>Macrocheilus</i> .	
Genus <i>Loxonema</i> , <i>Phillips</i> , 1841 ¹ . (Pal. Foss. Devon. p. 98.) <i>Prosobr. Eulimidae</i> .			
<i>L. acutissima</i> , de Koninck.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 337, t. 23, f. 22.	Karua, N. S. Wales.
<i>L. anglica</i> , <i>d'Orbigny</i> .	Mid. Pal. (L. Dev.)	Prod. de Pal. 1849, i. p. 62; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 124; Atlas, t. 4, f. 9.	Yass, N. S. Wales.
<i>L. antiqua</i> , <i>Münster</i> .	Mid. Pal. (L. Dev.)	<i>Turritella</i> , *Beitrag z. Petrefac. 1840, p. 88, t. 16, f. 17; <i>Loxonema</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 125, t. 4, f. 10.	Yass, N. S. Wales.
<i>L. constricta</i> , <i>Martin</i> .	U. Pal. (Carb.)	<i>Conch. (Turbinites?)</i> , *Pet. Derb. 1809, t. 38, f. 3; <i>Melaneia</i> , J. Sowerby, *Min. Con. 1818, iii. p. 33, t. 218, f. 2; <i>Melania</i> , Phillips, *Geol. York. 1836, ii. p. 228, t. 16, f. 1; <i>Chemnitzia</i> , de Koninck, *Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 465, t. 41, f. 5 a and b; <i>Loxonema</i> , M'Coy, *Synop. Carb. Foss. Ireland, 1844, p. 30; <i>id.</i> de Koninck, *Mon. Foss. Carb. Bleiberg en Carinthie, 1878, p. 105, t. 4, f. 5; <i>id. ibid.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 336, t. 23, f. 20.	Karua, N. S. Wales.
<i>L. desperdita</i> , <i>Goldfuss</i> .	Mid. Pal. (L. Dev.)	<i>Melania</i> , *Pet. Germaniae, iii. p. 109, t. 197, f. 12; <i>Loxonema</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 126.	Yass, N. S. Wales.
<i>L. difficilis</i> , de Kon.	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 335, t. 23, f. 23.	Karua, N. S. Wales.

¹ Some authors unite this genus with *Chemnitzia*, *d'Orb.*; see on this head, F. B. Meek (*Invert. Cret. Tert. Foss. Up. Missouri*, 1876, pp. 337-339), and Stoliczka (*Pal. Indica*, ii. p. 285).

(Gasteropoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>L. Hennahii, J. de C. Sowerby.</i>	Mid. Pal. (L. Dev.)	<i>Terebra</i> , *Trans. Geol. Soc. 1840, v. t. 57, f. 22; <i>Loxonema</i> , Phillips, *Pal. Foss. Devon. 1841, p. 99, t. 38, f. 184; <i>id. de Koninck</i> , *Foss. Pal. Nouv. Galles du Sud, 1876, pt. 2, p. 125.	Yass, N. S. Wales.
<i>L. rugifera, Phillips.</i>	U.Pal. (Carb.)	<i>Melania</i> , *Geol. York. 1836, II. p. 229, t. 16, f. 26; <i>Chemaitzia</i> , de Koninck, *Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 462, t. 41, f. 2; <i>Melania</i> , Brown, *Foss. Conch. 1849, p. 96, t. 45, f. 45; <i>Loxonema</i> , M'Coy, *Brit. Pal. Foss. p. 545; <i>id. de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 338, t. 23, f. 21.	Burragood, N. S. Wales.
Genus <i>Macrocheilus</i> , Phillips, 1841. (Pal. Foss. Devon. p. 103; Stoliezka, Pal. Indica, II. pp. 263 and 290.)— <i>Prosobr.-Littorinidae</i> or <i>Eulimidae</i> ?			
<i>M. acutus, J. de C. Sowerby.</i>	U.Pal. (Carb.)	<i>Buccinum</i> , *Min. Con. 1827, VI. p. 127, t. 566, f. 1; <i>id. Phillips</i> , *Geol. York. 1836, II. p. 230, t. 16, f. 11 and 21; <i>B. imbricatum</i> , <i>id. ibid.</i> p. 229, t. 16, f. 17—20; <i>Macrocheilus</i> , de Koninck, *Descrip. Anim. Foss. Terr. Carb. Belgique, p. 478, t. 40, f. 10 a and b, t. 41, f. 18 a and b; <i>id. M'Coy</i> , *Synop. Carb. Foss. Ireland, 1844, p. 28; <i>id. Morris</i> , Cat. Brit. Foss. 2nd ed. 1854, p. 256; <i>id. de Koninck</i> , *Mon. Foss. Carb. Bleiberg en Carinthia, 1873, p. 104, t. 4, f. 9; <i>id. ibid.</i> *Foss. Pal. Nouv. Galles du Sud, 1877, pt. 8, p. 334, t. 23, f. 24.	Burragood, N. S. Wales.
<i>M. filosus, J. de C. Sowerby.</i>	U.Pal. (Carb.)	<i>Littorina</i> , Mitchell's *Three Ex-peds. Int. E. Austr. 1838, I. p. 98, t. 2, f. 5; <i>Morris</i> , Strzelecki's *Phys. Descrip. N. S. Wales, 1845, p. 285, t. 18, f. 4; <i>Littorina</i> , Grange, Dumont-d'Urville's Voy. au Pole Sud, Géol. 1854, II. p. 85.	Booral; Karua, N. S. Wales.
Genus <i>Mitchellia</i> , L. G. de Koninck, 1876. (Foss. Pal. Nouv.-Galles du Sud, pt. 2, p. 128.)— <i>Prosobr.-Buccinidae</i> ?			
<i>M. striatula, de Kon.</i>	Mid. Pal. (L. Dev.)	*loc. cit. p. 129, Atlas, t. 4, f. 12.	Yass, N. S. Wales.

(Gasteropoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Murchisonia</i> , <i>d'Archiac</i> and <i>de Verneuil</i> , 1841 (see p. 25).— <i>Prosobr.-Pleurotomariidae.</i>			
<i>M. angulata</i> , <i>Clarke</i> .		? <i>Vide M. Verneuiliana</i> , <i>de Kon.</i>	
<i>M. carinata</i> , <i>Etheridge</i> .	U. Pal. (Carb.)	* <i>Quart. Jour. Geol. Soc.</i> 1872, xxviii. p. 337, t. 18, f. 5.	Don River, Qu.
<i>M. granifera</i> , <i>de Kon</i> .	Mid. Pal. (L. Dev.)	* <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, pt. 2, p. 121, <i>Atlas</i> , t. 4, f. 6.	Yass, N. S. Wales.
<i>M. ? tricincta</i> , <i>Morris</i> .	U. Pal. (Carb.)	Strzelecki's * <i>Phya. Descrip. N. S. Wales</i> , 1845, p. 285, t. 18, f. 3; <i>Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie</i> , 1854, II. p. 85.	Booral, N. S. Wales.
<i>M. trifiliata</i> , <i>Dana</i> .	U. Pal. (Carb.)	<i>Pleurotomaria</i> , * <i>Amer. Jour. Sc.</i> 1847, IV. p. 151; <i>id. ibid.</i> v. p. 434; <i>P. Morrisiana</i> , * <i>Geol. U. S. Explor. Exped.</i> p. 706, <i>Atlas</i> , t. 9, f. 16 (and ? 15); <i>Murchisonia</i> , <i>de Koninck</i> , * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1877, pt. 3, p. 327.	Harper's Hill, N. S. Wales.
<i>M. turris</i> , <i>de Kon.</i>	Mid. Pal. (L. Dev.)	* <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, p. 120, t. 4, f. 5.	Yass, N. S. Wales.
<i>M. Verneuiliana</i> , <i>de Koninck</i> .	Mid. Pal. (L. Dev.)	* <i>Descrip. Anim. Foss. Terr. Carb. Belgique</i> , 1843, p. 414, t. 38, f. 5; * <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, pt. 2, p. 119; * <i>ibid.</i> pt. 3, 1877, p. 329, t. 28, f. 15; ? <i>M. angulata</i> , <i>Clarke</i> , <i>S. Gold-fields</i> , 1860, p. 288.	Yass; Munnawarree, N. S. Wales.
Genus <i>Naticopsis</i> , <i>M'Coy</i> , 1844 (Synop. Carb. Foss. Ireland, p. 33) = <i>Naticodon</i> , <i>de Ryckholt</i> , 1847.— <i>Prosobr.-Naticidae.</i>			
<i>N. ? harpæformis</i> , <i>Etheridge</i> .	U. Pal. (Carb.)	* <i>Quart. Jour. Geol. Soc.</i> 1872, xxviii. p. 337, t. 18, f. 6.	Don River, Qu.
Genus <i>Niso</i> , <i>Risso</i> , 1826. (Hist. Nat. Europe Mérid. IV. p. 218.) — <i>Prosobr.-Eulimidae.</i>			
<i>N. ? Darwinii</i> , <i>de Kon.</i>	Mid. Pal. (L. Dev.)	* <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, pt. 2, p. 127, t. 4, f. 11.	Yass, N. S. Wales.
Genus <i>Patella</i> , <i>Linnæus</i> , 1740. (Systema Nat. p. 63; id. ed. 10, 1758, p. 780; <i>Lamarck</i> , <i>Prodrome</i> , 1799, p. 78.)— <i>Prosobr.-Patellidae.</i>			
<i>P. tenella</i> , <i>Dana</i> .		<i>Vide Capulus tenellus</i> , <i>Dana</i> .	
Genus <i>Pileopsis</i> , <i>Lamarck</i> , 1820. (Hist. Nat. Anim. sans Vertèb. VI. pt. 2, p. 381.) Vide <i>Capulus</i> , <i>de Montf.</i>			
<i>P. alta</i> , <i>Dana</i> .		<i>Vide Capulus altus</i> , <i>Dana</i> .	
<i>P. tenella</i> , <i>Dana</i> .		<i>Vide Capulus tenellus</i> , <i>Dana</i> .	

(Gasteropoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Platyceras</i> , <i>Conrad</i> , 1840. (3rd Ann. Report, Pal. N. York, p. 205.) Vide <i>Capulus</i> , de Montf.			
<i>P. altum</i> , <i>Dana</i> .		Vide <i>Capulus altus</i> , <i>Dana</i> .	
<i>P. angustatum</i> , <i>Phillips</i> .		Vide <i>Capulus angustatus</i> , <i>Phillips</i> ,	
<i>P. tenella</i> , <i>Dana</i> .		Vide <i>Capulus tenellus</i> , <i>Dana</i> .	
<i>P. trilobatum</i> , <i>de Koninck</i> .		Vide <i>Capulus trilobus</i> , <i>Phillips</i> .	
Genus <i>Platyschisma</i> , <i>M'Coy</i> , 1844. (Synop. Carb. Foss. Ireland, p. 88.) Prosobr.- <i>Turbinidae</i> .			
<i>P. depressa</i> , <i>Dana</i> .	U.Pal.(Carb.)	*American Jour. Sc. 1847, iv. p. 151; *Geol. U. S. Expl. Expd. p. 707, Atlas, t. 10, f. 2.	Harper's Hill, N. S. Wales.
<i>P. ocula</i> , <i>J. de C. Sowerby</i> .	U.Pal. (Carb.)	<i>Trochus</i> , Mitchell's "Three Expds. Int. E. Austr. 1888, i. p. 15, t. 2, figs. 3 and 4; <i>Platyschisma</i> , Morris, Strzelecki's "Phys. Descr. N. S. Wales, 1845, p. 286, t. 18, f. 1; <i>id.</i> M'Coy, Annals Nat. Hist. 1847, xx. p. 306; <i>id.</i> Dana, *Geol. U. S. Expl. Expd. p. 707, t. 10, f. 1; <i>id.</i> Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, ii. p. 86 and 89; <i>id.</i> Plews, Mining Inst. Jour. 1858, vi. pt. 8, t. 4; <i>Euomphalus</i> , de Koninck, Foss. Pal. Nouv. Galles du Sud, 1877, pt. 8, p. 330, t. 23, f. 18.	Illawara; Harper's Hill, N. S. Wales.
<i>P. rotundata</i> , <i>Morris</i> .	U.Pal.(Carb.)	Strzelecki's "Phys. Descr. N. S. Wales, 1845, p. 286, t. 18, f. 2; Dana, *Geol. U. S. Expl. Expd. p. 707; Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, ii. pp. 86 and 89; Plews, Mining Inst. Jour. 1858, vi. pt. 8, t. 4; Clarke, S. Goldfields, 1860, 288.	Illawara; Harper's Hill, N. S. Wales.
Genus <i>Pleurotomaria</i> , <i>Defrance</i> , 1824. (Tableau, p. 114; Dict. Sc. Nat. 1826, xli. p. 381.) Prosobr.- <i>Pleurotomariidae</i> .			
<i>P. cancellata</i> , <i>Strzelecki</i> .		Vide <i>P. subcancellata</i> , <i>Morris</i> .	
<i>P. carinata</i> , <i>J. Sow.</i>	M.Pal.(Dev.)	<i>Helix</i> , *Min. Con. i. p. 34, t. 10, f. 3 (upper and lower figs.); <i>Pleurotomaria</i> , <i>Phillips</i> , *Geol. York, 1836, ii. p. 226, t. 15, f. 1; <i>id.</i> de Koninck, *Descrip. Anim. Foss. Terr. Carb. Belgique, p. 397, t. 81, f. 1 <i>a—d</i> ; <i>id.</i> M'Coy, *Synop. Carb. Foss. Ireland, 1844, p. 89; <i>id.</i> Brown, *Foss. Conch. 1849,	Gympie, Qu.

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(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. gemmulifera</i> , <i>Phillips.</i>	U. Pal. (Carb.)	p. 87, t. 40, f. 24 and 25; <i>id.</i> Morris, Cat. Brit. Foss. 2nd ed. p. 272; <i>id.</i> Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 331, t. 15, f. 6.	Stony Creek; W. Maitland, N. S. Wales.
<i>P. helicinaeformis</i> , <i>de Koninck.</i>	U. Pal. (Carb.)	*Geol. York. 1836, ii. p. 227, t. 15, f. 19; <i>de Koninck</i> , *Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 370, t. 31, f. 7 <i>a</i> — <i>d</i> ; Brown, *Foss. Conch. 1849, p. 87, t. 40, f. 28 and 29; Morris, Cat. Brit. Foss. 2nd ed. 1854, p. 272; <i>de Koninck</i> , *Foss. Pal. Nouv. Galles du Sud, 1877, pt. 8, p. 324, t. 23, f. 9.	Burragood, N. S. Wales.
<i>P. humiliis</i> , <i>de Kon.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 327, t. 23, f. 13.	Raymond Terrace, N. S. Wales.
<i>P. Morrisiana</i> , <i>M'Coy.</i>	U. Pal. (Carb.)	*Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 325, t. 23, f. 14.	Black Head; Illawarra; Muree, N. S. Wales.
<i>P. naticoides</i> , <i>de Koninck.</i>	U. Pal. (Carb.)	*Annals Nat. Hist. 1847, xx. p. 306, t. 17, f. 5; Dana, *Geol. U. S. Expl. Exped. p. 706, t. 9, f. 15; M'Coy, *Proc. R. Soc. V. D. Land, 1851, i. p. 329, t. 17, f. 5; Clarke, S. Goldfields, 1860, p. 288; <i>de Koninck</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 321, t. 23, f. 12.	Harper's Hill, N. S. Wales.
<i>P. nuda</i> , <i>Dana.</i>	U. Pal. (Carb.)	*Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 405, t. 31, f. 8; *Mon. Foss. Carb. Bleiberg en Carinthie, 1873, p. 101; *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 326, t. 23, f. 10.	Harper's Hill, N. S. Wales.
<i>P. rotunda</i> , <i>Etheridge.</i>	U. Pal. (Carb.)	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 336, t. 18, f. 3.	Craew Creek, Qu.
<i>P. striata</i> , <i>J. Sow.</i>	U. Pal. (Carb.)	<i>Helix</i> ; *Min. Con. 1817, ii. p. 159, t. 171, f. 1; <i>Pleurotomaria</i> , Phillips, *Geol. York. 1836, ii. p. 226; <i>Ptychomphalus</i> , Agassiz, *Traduct. de la Conch. Miner. de Sowerby, 1838, p. 222, t. 115, f. 1—3; <i>Pleurotomaria</i> , <i>de Koninck</i> , *Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 399, t. 31, f. 2 <i>a</i> — <i>c</i> ; <i>id.</i> Brown, *Foss. Conch. 1849, p. 86, t. 40, f. 15 and 16; <i>id.</i> Morris, Cat. Brit. Foss. 1854, 2nd ed. p. 273; <i>id.</i> M'Coy,	Duguid's Hill, N. S. Wales.

(Gasteropoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
P. Strzeleckiana, <i>Morris.</i>	U. Pal. (Carb.)	*Brit. Pal. Foss. p. 529; <i>id. de Koninck</i> , "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 323, t. 23, f. 11.	Glendon; Harper's Hill; Wollongong; Illawara, N. S. Wales.
P. subcancellata, <i>Morris.</i>	U. Pal. (Carb.)	P. cancellata, Strzelecki, Physic. Descrip. N. S. Wales, 1845, p. 287, t. 18, f. 5; M'Coy, Annals Nat. Hist. 1847, xx. p. 306; Dana, "Geol. U. S. Explor. Exped. p. 707; Grange, Dumont-d'Urville's Voyage au Pole Sud, Géologie, 1854, II. pp. 87 and 89; Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 4.	Illawara; Loder's Creek; Muree, N. S. Wales.
P. subconica, <i>de Kon.</i>	Mid. Pal. (L. Dev.)	*Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 121, Atlas, t. 4, f. 7.	Yass, N. S. Wales.
P. trifilata, <i>Dana.</i>		Vide Murchisonia.	
Genus <i>Porcellia</i> , <i>Leveille</i> , 1835. (Mém. Soc. Géol. France, II. p. 89; Stoliczka, Pal. Indica, II. p. 381.)— <i>Prosobr.-Pleurotomariidae.</i>			
P. Woodwardii, <i>Martin.</i>	U. Pal. (Carb.)	Conch. (N. Ammonites), *Pet. Derb. 1809, t. 35, f. 4 and 5; <i>Nautilus</i> , J. de C. Sowerby, "Min. Con. 1827, vi. p. 138, t. 571, f. 8; <i>Bellerophon</i> , Phillips, "Geol. York, 1836, II. p. 231, t. 17, f. 1—3; <i>Porcellia</i> , <i>de Koninck</i> , "Descrip. Anim. Foss. Terr. Carb. Belg. 1844, p. 360, t. 28, f. 2; <i>Bellerophon</i> , Brown, "Foss. Conch. 1849, p. 38, t. 26, f. 14 and 20, t. 23, f. 12; <i>Porcellia</i> , Morris, Cat. Brit. Foss. 2nd ed. 1854, p. 289; <i>id. de Koninck</i> , "Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 319, t. 23, f. 8.	Burragood, N. S. Wales.
Genus <i>Trochus</i> , <i>Linnæus</i> , 1758. (Systema, ed. 10, p. 756; Lamarck, Prodrome, 1799, p. 74; Système, 1801, p. 85; <i>id. Histoire</i> , 1822, VII. p. 9; Adams, Genera, 1854, I. p. 412.)— <i>Prosobr.-Turbinidae.</i>			
T. oculus, <i>J. de C. Sowerby.</i>		Vide <i>Platyschisma oculata</i> .	

(Pteropoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Genus **Turritella**, *Lamarck*, 1799. (Prodrome, p. 74; Système, 1801, p. 89; *Adams*, Genera, 1854, i. p. 351.)—*Prosobr.-Turritellidae*.

T. *tricincta*, *Morris*. | Vide *Murchisonia* ? *tricincta*. |

Class—Pteropoda. *Section*—Thecosomata.

Genus **Conularia**, (*Miller*) *J. Sowerby*, 1820 (see p. 26).—? *Hyaleidae*.

C. <i>inornata</i> , <i>Dana</i> .	U.Pal.(Carb.)	*Geol. U. S. Expl. Expd. p. 709, Atlas, t. 10, f. 8; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 314, t. 22, f. 14.	Glendon, N. S. Wales.
C. <i>levigata</i> , <i>Morris</i> .	U.Pal. (Carb.)	Strzelecki's *Phys. Descr. N. S. Wales, 1845, p. 290, t. 18, f. 9; M'Coy, Annals Nat. Hist. 1847, xx. p. 306; Dana, *Geol. U. S. Expl. Expd. p. 710, t. 10, f. 9; Grange, Dumont-d'Urville's Voy. au Pole Sud, Géologie, 1854; ii. pp. 85 and 89; Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 4; Clarke, S. Goldfields, 1860, p. 288; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 313, t. 28, f. 1.	Illawara, N. S. Wales. Raymond Terrace; Harper's Hill, N. S. Wales.
C. <i>quadrisulcata</i> , <i>Miller</i> .	U.Pal. (Carb.)	J. Sowerby, *Min. Coh. iii. 1820, p. 107, t. 260, f. 3—5; M'Coy, *Synop. Carb. Foss. Ireland, 1844, p. 26; <i>id.</i> *Brit. Pal. Foss. p. 528; Brown, *Foss. Conch. 1849, p. 43, t. 29, f. 27; de Kon. *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 311, t. 23, f. 3.	Buchan; Gloucester, N. S. Wales.
C. <i>tenuistriata</i> , <i>M'Coy</i> .	U.Pal. (Carb.)	*Annals Nat. Hist. 1847, xx. p. 307, t. 17, figs. 7 and 8; Dana, *Geol. U. S. Expl. Expd. p. 710; M'Coy, *Proc. R. Soc. V. D. Land, 1851, i. p. 330, t. 17, figs. 7 and 8; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 310, t. 23, f. 2.	Muree, N. S. Wales.
C. <i>torta</i> , <i>M'Coy</i> .	U.Pal.(Carb.)	*Annals Nat. Hist. 1847, xx. p. 306, t. 17, figs. 9 and 10; *Proc. R. Soc. V. D. Land, 1851, i. p. 329, t. 17, figs. 9 and 10; Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 4.	Muree, N. S. Wales.

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(Pteroda—Cephalopoda.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Theca</i> (<i>J. de C. Sowerby</i> , ms.), <i>Morris</i> , 1845. (Strzelecki's Phys. Descr. N. S. Wales, p. 289.)— <i>Hyaleidae</i> .			
<i>T. lanceolata</i> , <i>Morris</i> .	U: Pal. (Carb.)	* <i>l. c. t. 18, f. 8</i> ; <i>M'Coy</i> , Annals Nat. Hist. 1847, <i>xx</i> , p. 306; <i>Dana</i> , "Geol. U. S. Expl. Expd. p. 708; <i>Atlas</i> , <i>t. 10, f. 7</i> ; <i>Grange</i> , <i>Dumont-d'Urville's Voyage au Pole Sud, Géologie</i> , 1854, <i>ii</i> , p. 89; <i>Clarke</i> , S. Goldfields, 1860, p. 288.	Black Head; Illawara, N.S. Wales.

Class—Cephalopoda. Order—Tetrabranchiata.

Genus *Cameroceras*, *Conrad*, 1842. (Jour. Acad. Nat. Sc. Philadel. *viii*, pt. 2, p. 267; S. P. Woodward, Man. Moll. 2nd ed. 1868, p. 191.)—*Orthoceratidae*.

<i>C. Phillipsei</i> , <i>de Kon.</i>	U: Pal. (Carb.)	<i>Orthoceras laterale</i> , <i>de Koninck</i> , "Descrip. Anim. Foss. Terr. Carb. Belg. 1843, p. 508, <i>t. 43</i> , <i>f. 2 a</i> and <i>b</i> (non <i>Phillipsei</i>); <i>C. Phillipsei</i> , "Foss. Pal. Nouv. Galles du Sud, 1877, <i>pt. 8</i> , p. 344, <i>t. 24, f. 1</i> .	Chinaman's Gully, N. S. Wales.
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Genus *Cyrtoceras*, *Goldfuss*, 1832. (De la Beche's Handb. d. Geognosie, p. 536; S. P. Woodward, Man. Moll. 2nd ed. 1868, p. 194.)—*Orthoceratidae*.

<i>C. textile</i> , <i>de Kon.</i>	Mid. Pal. (L. Dev.).	* <i>Foss. Pal. Nouv.-Galles du Sud</i> , 1876, <i>p. 131, t. 4, f. 13</i> .	Yass, N. S. Wales.
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Genus *Goniatites*, *de Haan*, 1825. (Mon. *Ammon.* et *Goniatites*, p. 39.)
? = *Ganides*, *Montfort*, 1808.—*Ammonitidae*.

<i>G. micromphalus</i> , <i>Morris</i> .	U: Pal. (Carb.)	<i>Bellerophon</i> , Strzelecki's "Phys. Descrip. N. S. Wales, 1845, p. 288, <i>t. 18, f. 7</i> ; <i>id. M'Coy</i> , Annals Nat. Hist. 1847, <i>xx</i> , p. 308; <i>id. Dana</i> , "Geol. U. S. Explor. Expd. p. 708, <i>t. 10, f. 6</i> ; ? <i>B. undulatus</i> , <i>id. ibid. p. 707, t. 10, f. 4</i> ; <i>ibid. id. American Jour. Sc.</i> 1847, <i>iv</i> , p. 151; ? <i>B. micromphalus</i> , <i>Grange</i> , <i>Dumont-d'Urville's Voyage au Pole Sud, Géologie</i> , 1854, <i>ii</i> , p. 89; ? <i>B. micromphalus</i> et ? <i>B. undulatus</i> , <i>Clarke</i> , S. Goldfields, 1860, p. 288; <i>Goniatites</i> , <i>de Koninck</i> , "Foss. Pal. Nouv. Galles du Sud, 1877, <i>pt. 3</i> , p. 339, <i>t. 24, f. 5</i> .	Illawara; Wollongong; Muree; Harper's Hill, N. S. Wales.
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(Cephalopoda.)

(Mid. and Up. Palæozoic.)

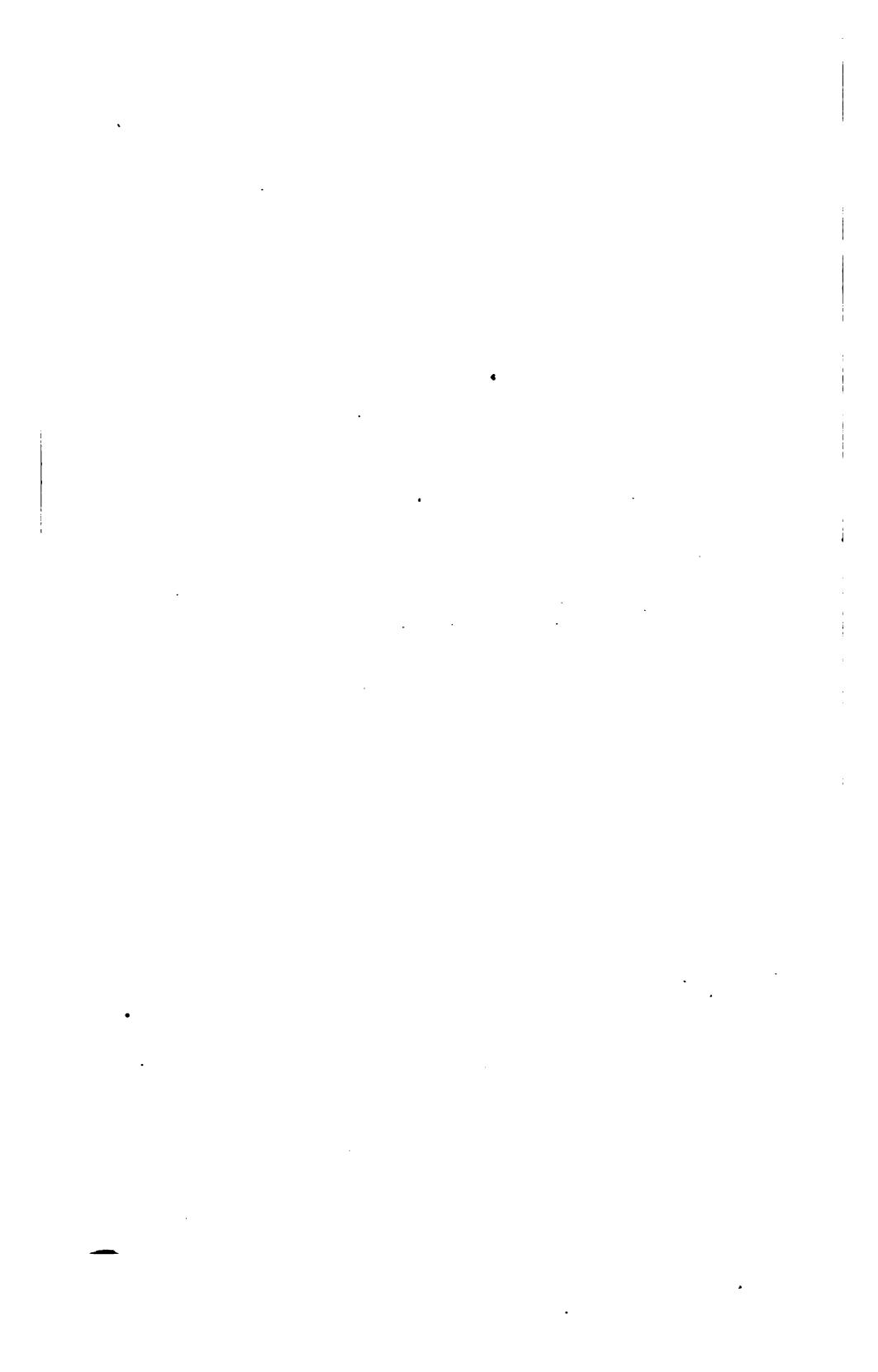
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>G. strictus, Dana.</i>	U. Pal. (Carb.)	<i>Bellerophon</i> , *American Jour. Sc. 1847, iv. p. 151; <i>id.</i> *Geol. U. S. Explor. Exped. p. 707, t. 10, f. 5; <i>id.</i> Clarke, S. Gold-fields, 1860, p. 288; <i>Goniatites</i> , de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 8, p. 341.	Wollongong; Har- per's Hill, N. S. Wales.
<i>G. Woodsii, de Kon.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, pt. 2, p. 130, Atlas, t. 4, f. 15.	Yaralumla, N. S. Wales.
Genus <i>Nautilus, Breynius</i> , 1732 (Dissert. de Polythal; S. P. Woodward, Man. Moll. 2nd ed. 1868, p. 185).— <i>Nautilidae.</i>			
<i>N. subsulcatus, Phillips.</i>	U. Pal. (Carb.)	*Geol. York. 1836, ii. p. 233, t. 17, f. 18 and 25; J. de C. Sowerby, *Trans. Geol. Soc. 1840, v. t. 40, f. 7; de Koninck, *Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 548, t. 30, f. 6 <i>a</i> — <i>d</i> , t. 47, f. 9, t. 49, f. 4 <i>a</i> and <i>b</i> ; <i>N. (Discites)</i> McCoy, *Synop. Carb. Foss. Ireland, 1844, p. 19; de Koninck, *Mon. Foss. Carb. Bleiberg en Carinthie, 1873, p. 110, t. 4, f. 10; <i>id.</i> *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 345, t. 24, f. 4.	Karua, N. S. Wales.
<i>N. sp. ind.</i>	U. Pal. (Carb.)	McCoy, Annals Nat. Hist. 1847, xx. p. 308.	Dunvegan, N. S. Wales.
Genus <i>Orthoceras, Breynius</i> , 1732 (see p. 26).— <i>Orthoceratidae.</i>			
<i>O. Martinianum, de Koninck.</i>	U. Pal. (Carb.)	*Descrip. Anim. Foss. Terr. Carb. Belgique, 1843, p. 505, t. 44, f. 4; ? <i>O. Martinianum</i> , *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 343, t. 24, f. 3.	Karua, N. S. Wales.
<i>O. striatum, J. Sow.</i>	U. Pal. (Carb.)	<i>Orthoceras striata</i> , *Min. Con. 1814, i. p. 129, t. 58; <i>Orthoceras striatum</i> , McCoy, *Synop. Carb. Foss. Ireland, 1844, p. 8; <i>ibid.</i> <i>id.</i> (pars), *Brit. Pal. Foss. p. 405; de Koninck, *Foss. Pal. Nouv.-Galles du Sud, 1877, pt. 3, p. 341, t. 24, f. 2.	Wollongong; Rus- sel's Shaft, Stony Creek, N. S. Wales.
<i>O. subdimidiatum, de Koninck.</i>	Mid. Pal. (L. Dev.).	*Foss. Pal. Nouv.-Galles du Sud, 1876, p. 132, Atlas, t. 4, f. 14,	Yass, N. S. Wales.
Genus <i>Phragmoceras (Broderip)</i> , <i>J. de C. Sowerby</i> , 1839. (Murchison's Sil. System, p. 621; S. P. Woodward, Man. Moll. 2nd ed. 1868, p. 194).— <i>Orthoceratidae.</i>			
<i>P. subtrigonum, McCoy.</i>	Mid. Pal. (M. Dev.)	*Geol. Survey, Vict. Dec. iv. 1876, p. 18, t. 35, f. 6 <i>a</i> and <i>b</i> ; Smyth's Progress Report, 1876, iii. p. 63; Geuehman's <i>ibid.</i> 1877, iv. p. 17.	Buchan, Vict.

(Pisces.)

(Mid. and Up. Palæozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Sub-kingdom—Vertebrata. Class—Pisces.</i>			
Genus Asterolepis, Eichwald, 1840. (Neues Jahrbuch, p. 425; Agassiz, Mon. Pois. Foss. V. G. R. 1844, p. 89.)—Ganoidei-Placodermata.			
<i>A. ornata, Agassiz.</i>	Mid. Pal. (M. Dev.)	<i>loc. cit.</i> p. 425 note; Agassiz, * <i>loc. cit.</i> p. 93, <i>Atlas</i> , t. 80, f. 2—9; Eichwald, * <i>Placoder-</i> <i>men d. Devon. Syst.</i> 1857, p. 44, t. 5, f. 5—10, t. 9, f. 1—9; i. <i>id.</i> * <i>Lethæa Rossica</i> , 1860, I. p. 1508, <i>Atlas</i> , t. 56, f. 1; M'Coy, in <i>Smyth's Progress Report</i> , 1876, III. p. 62; <i>id.</i> <i>Couchman's</i> <i>Progress Rep.</i> 1877, IV. p. 17; <i>A. ornata</i> , var. <i>Australis</i> , M'Coy, * <i>Geol. Survey, Vict. Dec.</i> IV. 1876, p. 19, t. 35, f. 7 <i>a</i> and <i>b</i> .	Buchan R., Vict.
Genus Tomodus (Agassiz, ms.), Morris and Roberts, 1862 (Quart. Jour. Geol. Soc. XVIII. p. 101)—Selachii-Cochliodontidae.			
<i>T. concavus, Agassiz.</i>	U. Pal. (Carb.)	Agassiz (ms.), in Morris and Roberts, <i>loc. cit.</i> p. 101; Owen, * <i>Geol. Mag.</i> 1869, IV. p. 62, t. 4, f. 2—5; Barkas and Davies, <i>Geol. Mag.</i> Dec. 2, 1874, I. p. 548; de Koninck, * <i>Foss. Pal.</i> <i>Nouv.-Galles du Sud</i> , 1877, pt. 3, p. 354, t. 24, f. 11; <i>Coch-</i> <i>liodus magnus</i> , (pars) Agassiz.	Tillegary, N. S. Wales.

MESOZOIC.



A CATALOGUE OF AUSTRALIAN FOSSILS.

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(Plante.)	(Mesozoic.)		
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Kingdom—Plante. Section—Cryptogamia. Class—Acotyledones.</i>			
Genus Anarthrocanna, Göppert, 1845. (Tchihatcheff's L'Altaï Oriental, p. 379.) <i>Equisetaceæ.</i>			
A. Australis, Dana.	L. Mes. (Up. Coal M. of N.S.Wales ?= Trias).	*Geol. U. S. Expl. Expd. p. 720, Atlas, t. 14, f. 13.	Mouth of Hunter River, Newcastle, N. S. Wales.
Genus Confervites, Brongniart, 1828. (Hist. Vég. Foss. 1. p. 85; <i>Confervites</i>, Schimper, Traité de Pal. Vég. 1869, I. p. 153.) <i>Algeses-Confervaceæ.</i>			
C. ? temella, Dana.	L. Mes. (Up. Coal M. of N.S.Wales ?= Trias).	*Geol. U. S. Expl. Expd. p. 720, Atlas, t. 14, f. 9.	N. S. Wales.
Genus Cyclopteris, Brongniart, 1828. (Prodrome, p. 51; Histoire Vég. Foss. p. 215; Schimper, Traité de Pal. Vég. 1866, I. pp. 366 and 420.) <i>Filices-Neuropteridae.</i>			
C. angustifolia, M'Coy.		Wide <i>Gangamopteris angustifoliae</i> , M'Coy.	
C. cuneata, Carruthers.	L. Mes. (Up. Coal M. of Qu. Land ?= Trias).	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 355, t. 27, f. 5; Feistmantel, Records Geol. Survey, India, 1876, ix. pt. 4, p. 123.	Tivoli Coal Mine, Qu.
Genus Gangamopteris, M'Coy, 1860. (Trans. R. Soc. Vict. v. p. 107 note; Geol. Survey, Vict. Dec. III. p. 11; Feistmantel, Records Geol. Survey, India, 1876, ix. pt. 3, p. 73.) <i>Filices-Neuropteridae.</i>			
G. angustifolius, M'Coy.	L. Mes. (Bacchus Marsh Sandstone).	<i>Cyclopteris</i> , *Annals Nat. Hist. 1847, xx. p. 148, t. 9, f. 3; <i>id.</i> *Proc. R. Soc. V. D. Land, 1851, I. p. 306, t. 9, f. 8; <i>Cyclopteris</i> , Unger, *Genera et Spec. 1850, p. 95; <i>Gangamopteris</i> , Trans. R. Soc. Vict. 1860, v. p. 107; <i>id.</i> Annals Nat. Hist. 1867, xx. p. 198; <i>id.</i> Smyth's Progress Report, 1874, p. 34; <i>id.</i> *Geol. Survey, Vict. 1875, Dec. II. p. 11, t. 12, f. 1, t. 13, f. 2; <i>id.</i> Feistmantel, Rec. Geol. Survey, India, 1876, ix. pt. 4, p. 123.	Guntawang, N. S. Wales. Bacchus Marsh, Vict.
G. longifolius, M'Coy.	L. Mes. (Bacchus Marsh Sandstone).	Selwyn, Phys. Geog. Geol. and Miner. Vict. 1866, p. 16; <i>id.</i> Descript. Cat. National Mus. Melbourne, Geol. Survey, Vict. 1868, p. 51.	Bacchus Marsh, Vict.

(Planteæ.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>G. obliqua</i> , M'Coy.	L. Mes. (Bacchus Marsh Sandstone).	Smyth's Progress Report, 1874, p. 34; *Geol. Survey, Vict. 1875, Dec. II, p. 18, t. 12, figs. 2—4; Feistmantel, Records Geol. Survey, India, 1876, IX, pt. 4, p. 128.	Bacchus Marsh, Vict.
<i>G. spatulata</i> , M'Coy.	L. Mes. (Bacchus Marsh Sandstone).	Smyth's Progress Report, 1874, p. 34; *Geol. Survey, Vict. Dec. II, 1875, p. 12, t. 18, f. 1; Feistmantel, Records Geol. Survey, India, 1876, IX, pt. 4, p. 128.	Bacchus Marsh, Vict.
Genus <i>Glossopteris</i> , Brongniart, 1828 (see p. 30).— <i>Filices</i> .			
<i>G. ampla</i> , Dana.	L. Mes. (Up. Coal M. of N.S.Wales ?= Trias).	*Geol. U. S. Expl. Exp. p. 717, Atlas, t. 18, f. 1.	Newcastle and Illawara, N. S. Wales.
<i>G. Browniana</i> , Brongniart ¹ .	L. Mes. (Up. Coal M. of N.S.Wales ?= Trias).	*Prodrome, 1828, p. 54; <i>G. Browniana</i> , var. <i>Australasiaca</i> , *Hist. Végét. Foss. 1828, I. p. 228, t. 62; Morris, Strzelecki's Phys. Descr. N. S. Wales and V. D. Land, 1845, p. 247, t. 6, f. 1; M'Coy, *Annals Nat. Hist. 1847, XX. p. 150; <i>id.</i> *Proc. R. Soc. V. D. Land, 1851, I. p. 307; Dana, *Geol. U. S. Expl. Expd. p. 716, Atlas, t. 14, figs. 12 and 13; Plews, Mining Inst. Jour. 1858, VI. pt. 3, t. 3; Bunbury, Quart. Jour. Geol. Soc. 1860, XVI. p. 330, t. 9, figs. 1—4; Göppert, *Syst. Fil. Foss. p. 364, t. 21, figs. 9 and 10; Unger, Gen. et Spec. 1850, p. 169; Schimper, *Traité de Pal. Vég. 1869, I. p. 645; Carruthers, Quart. Jour. Geol. Soc. 1872, XXVIII. p. 354; M'Coy, Smyth's Progress Report, 1874, p. 24; <i>id.</i> Geol. Survey, Vict. Dec. I. 1874, p. 34; Clarke, Remarks Sed. Forms. N. S. Wales, 3rd ed. 1875, pp. 19—36; Feistmantel, Records Geol. Survey, India, 1876, IX, pt. 8, p. 72. <i>id. ibid.</i> IX, pt. 4, p. 124.	Newcastle; Jerry's Plain; Mulumbimba; Illawara, N. S. Wales. Tasmania (M'Coy).
<i>G. ? cordata</i> , Dana.	L. Mes. (Up. Coal M. of N.S.Wales ?= Trias).	*Geol. U. S. Expl. Expd. p. 718, Atlas, t. 18, f. 5.	Illawara, N. S. Wales.
<i>G. elongata</i> , Dana.	L. Mes. (Up. Coal M. of N.S.Wales ?= Trias).	*Geol. U. S. Expl. Expd. p. 718, Atlas, t. 18, f. 4.	Newcastle, N. S. Wales.

¹ See also p. 30.

(Planteæ.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>G. linearis</i> , M'Coy.	L. Mes. (Up. Coal M. of N.S.Wales ?=Trias).	*Annals Nat. Hist. 1847, xx. p. 151, t. 9, f. 5; *Proc. R. Soc. V. D. Land, 1851, i. p. 308, t. 9, f. 5; Unger, Genera et Spec. 1850, p. 169.	Wollongong and Arowa, N. S. Wales.
<i>G. reticulatum</i> ¹ , <i>Dana.</i>	L. Mes. (Up. Coal M. of N.S.Wales ?=Trias).	*Geol. U. S. Expl. Expd. p. 717, Atlas, t. 13, f. 1.	Newcastle and Il. lawara, N. S. Wales.
Genus <i>Odontopteris</i> , Brongniart, 1828. (Prodrome, p. 60; Hist. Vég. Foss. p. 250; Schimper, Traité de Pal. Vég. 1869, i. p. 453.)— <i>Filices-Neuropteridae.</i>			
<i>O. microphylla</i> , M'Coy.	L. Mes. (Wia- namatta beds of N.S.Wales ?=Trias).	*Annals Nat. Hist. 1847, xx. p. 147; *Proc. R. Soc. V. D. Land, 1851, i. p. 305; Unger, Genera et Spec. 1850, p. 90; Clarke, S. Goldfields, 1860, p. 285; <i>id.</i> Remarks Sed. Forms. N. S. Wales, 3rd ed. 1875, p. 41.	Clark's Hill, N. S. Wales.
Genus <i>Otopterus</i> , Lindley and Hutton, 1833? (Fossil Flora, II. p. 129; Schimper, Traité de Pal. Vég. 1869, i. p. 483.)— <i>Filices-Neuropteridae.</i>			
<i>O. ovata</i> , M'Coy.	L. Mes. (Up. Coal M. of N.S.Wales ?=Trias).	*Annals Nat. Hist. 1847, xx. p. 148, t. 9, f. 2; *Proc. R. Soc. V. D. Land, 1851, i. p. 303, t. 9, f. 2; <i>Odontopteris</i> , Unger, Genera et Spec. 1850, p. 89; Plews, Mining Inst. Jour. 1858, vi. pt. 8, t. 3.	Arowa, N. S. Wales.
Genus <i>Pecopteris</i> , Brongniart, 1828. (Prodrome, p. 54; Hist. Vég. Foss. p. 267; Schimper, Traité de Pal. Vég. 1869, i. p. 498.)— <i>Filices-Pecopteridae.</i>			
<i>P. Australis</i> , Morris.	L. Mes. (Up. Coal M. of N.S.Wales; Bellarine beds of Vict. ?=Trias).	Strzelecki's *Phys. Descr. N. S. Wales and V. D. Land, 1845, p. 248, t. 7, figs. 1 and 2; M'Coy, Annals Nat. Hist. 1862, ix. p. 143; <i>id. ibid.</i> 1867, xx. p. 197; <i>Alethopteris</i> , Schimper, *Traité de Pal. Végét. 1869, i. p. 569; <i>Pecopteris</i> , M'Coy, Smyth's Progress Rept. 1874, pp. 24 and 35; <i>id. Geol. Survey, Vict. Dec.</i> i. 1874, p. 34; <i>id. ibid.</i> *Dec. ii. 1875, p. 16, t. 14, f. 3; <i>Pecopteris</i> , Feistmantel, Re- cords Geol. Survey, India, 1876, ix. pt. 4, p. 128; <i>Ale- thopteris Whitbyensis</i> (Göpp.), Feistmantel, Pal. Indica, 1876, xi. p. 24; <i>Alethopteris Australis</i> , <i>id. ibid.</i> ser. II. no. 2, 1877, p. 89.	Jerusalem Basin, Tas. Bellarine, Vict.

¹ In the character of its reticulation, this form closely resembles the second figure of *G. Browniana*, given by Brongniart (l. c. t. 62, f. 2). *Dana.*

(Plants.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
P. odontopterooides, Morris.	L. Mes. (Up. Coal M. of Q. Land). L. Mes. (Wianamatta beds of N.S.Wales ? Trias).	Strzelecki's "Phys. Descrip. N. S. Wales, 1845, p. 249, t. 6, f. 2—4; <i>Gleichenites</i> , M'Coy, "Annals Nat. Hist. 1847, xx. p. 147; <i>ibid.</i> "Proc. R. Soc. V. D. Land, 1851, i. p. 305; <i>id.</i> Milligan, Proc. R. Soc. V. D. Land, 1851, i. p. 24; <i>id.</i> Unger, "Gen. et Sp. 1850, p. 208; <i>Cyadopteris</i> , Schimper, "Traité de Pal. Vég. 1869, i. p. 488; <i>Alethopteris</i> ; <i>id. ibid.</i> p. 569; <i>Peccopteris</i> , Carruthers, "Quart. Jour. Geol. Soc. 1872, xxviii. p. 355, t. 27, f. 2 and 3; <i>Gleichenites</i> , Clarke, Remarks Sed. Forma. N. S. Wales, 1875, 3rd ed. p. 41; <i>Odontopteris</i> , Crepin, "Bull. de l'Acad. R. Belgique, 1875, xxxix. p. 258, f. 1—5; <i>Peccopteris</i> (<i>Thinnfeldia</i> ?), Feistmantel, Records Geol. Survey, India, 1876, ix. pt. 4, pp. 123, 124, "Annals Nat. Hist. 1847, xx. p. 152, t. 9, f. 6; "Proc. R. Soc. V. D. Land, 1851, i. p. 308, t. 9, f. 6; Clarke, S. Goldfields, 1860, p. 285; <i>id.</i> Remarks Sed. Forma. N. S. Wales, 3rd ed. 1875, p. 41.	Clark's Hill, N. S. Wales. Jerusalem Basin and Whale's Head, Tas. Tivoli Coal Mine, Qu.
P. ?tenuifolia, M'Coy.	L. Mes. (Wianamatta beds of N.S.Wales ?=Trias).	McCoy, in Selwyn's Progress Rep. Geol. Survey, Vict. 1861—62, t. 3.	Clark's Hill, N. S. Wales.
P. sp. ind.	L. Mes.	McCoy, in Selwyn's Progress Rep. Geol. Survey, Vict. 1861—62, t. 3.	Victoria.

Genus *Phyllotheca*, Brongniart, 1828. (Prodrome, p. 151; Schimper, Traité de Pal. Vég. i. p. 288)—*Equisetaceæ*?

P. Australis, Brong.	L. Mes. (Up. Coal M. of N.S.Wales; Cape Patterson beds of Victoria ?=Trias).	*Prodrome, 1828, p. 152; Morris, Strzelecki's "Phys. Descrip. N. S. Wales and V. D. Land, 1845, p. 250; Lindley and Hutton, Foss. Flora, 1833—55, ii. p. 89; M'Coy, "Annals Nat. Hist. 1847, xx. p. 156; <i>id.</i> "Proc. R. Soc. V. D. Land, 1851, i. p. 312; Dana, "Geol. U. S. Expl. Expd. p. 718, Atlas, t. 13, f. 6, t. 14, f. 1; Clarke, S. Goldfields, 1860, p. 285; Selwyn, Phys. Geog. Geol. Mineral. Vict. 1866, p. 20; Unger, Gen. et Spec. 1850, p. 78; de Zigno, "Fl. Foss. Form. Ool. 1856—68, i. p. 55; M'Coy, Annals Nat. Hist. 1867, xx. p. 196; Schimper, "Traité Pal. Vég. 1869, i. p. 289; M'Coy,	Newcastle, N. S. Wales. Cape Patterson, Vict.
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(Planteæ.)

(Mesozoa.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. Hookeri, M'Coy.</i>	L. Mes. (Up. Coal M. of N.S. Wales ?=Trias).	Westernport Coal-fields Rept. 1872, p. 6; <i>id. Smyth's Progress Report</i> , 1874, pp. 24 and 35; Feistmantel, <i>Records Geol. Sur. India</i> , IX, pt. 4, p. 124. *Annals Nat. Hist. 1847, xx, p. 157, t. 11, figs. 4—7; *Proc. R. Soc. V. D. Land, 1851, i, p. 318, t. 11, figs. 4—7; Plews, <i>Mining Inst. Jour.</i> 1858, vi, pt. 8, t. 3; Clarke, S. <i>Goldfields</i> , 1860, p. 285; de Zigno, * <i>Fl. Foss. Form. Ool.</i> 1856—68, i, p. 59; Schimper, * <i>Traité Pal. Vég.</i> 1869, i, p. 289; Unger, <i>Genera et Spec.</i> 1850, p. 73.	Mulubimba; Clark's Hill, and Arowa, N. S. Wales.
<i>P. ramosa, M'Coy.</i>	L. Mes. (Up. Coal M. of N.S. Wales ?=Trias).	*Annals Nat. Hist. 1847, xx, p. 156, t. 11, figs. 2 and 3; *Proc. R. Soc. V. D. Land, 1851, i, p. 312, t. 11, figs. 2 and 3; Plews, <i>Mining Inst. Jour.</i> 1858, vi. pt. 8, t. 3; Clarke, S. <i>Gold- fields</i> , 1860, p. 285; Unger, <i>Genera et Spec.</i> 1850, p. 73; de Zigno, * <i>Fl. Foss. Form. Ool.</i> 1856—68, i, p. 57; Schimper, * <i>Traité de Pal. Vég.</i> 1869, i, p. 289.	Mulubimba, N. S. Wales.
<i>S. alata, Brongniart.</i>	L. Mes. (Up. Coal M. of N.S. Wales ?=Trias).	<i>Pecopteris</i> , * <i>Hist. Vég. Foss.</i> 1828, i, p. 361, t. 127; <i>Sphenopteris alata</i> , var. <i>exilis</i> , Morris, <i>Strze- lecki's Phys. Descr. N. S. Wales</i> and <i>V. D. Land</i> , 1845, p. 246, t. 7, f. 4; <i>S. alata</i> , M'Coy, <i>An- nals Nat. Hist.</i> 1847, xx, p. 149; <i>id. ibid.</i> <i>Proc. R. Soc. V. D. Land</i> , 1851, i, p. 306; Schimper, * <i>Traité de Pal. Vég.</i> 1869, i, p. 411; Clarke, <i>Remarks Sed. Forms. N. S. Wales</i> , 3rd ed. 1875, p. 41.	Newcastle and Mulubimba, N. S. Wales.
<i>S. elongata, Carruthers.</i>	L. Mes. (Up. Coal M. of Q. Land ?=Trias).	* <i>Quart. Jour. Geol. Soc.</i> 1872, xxviii, p. 355, t. 27, f. 1.	Tivoli Coal Mine, Qu.
<i>S. flexuosa, M'Coy.</i>	L. Mes. (Up. Coal M. of N.S. Wales ?=Trias).	*Annals Nat. Hist. 1847, xx, p. 150, t. 9, f. 4; * <i>Proc. R. Soc. V. D. Land</i> , 1851, i, p. 307, t. 9, f. 4; Plews, <i>Mining Inst. Jour.</i> 1858,	Mulubimba, N. S. Wales.

¹ The Rev. W. B. Clarke mentions in his *Southern Goldfields*, p. 285, the occurrence of *S. linearis* in New South Wales, but does not give the author of the species. In the *Mining Institution Journal*, vi, pt. 3, pl. 3, Mr H. F. Plews figures a fern under the name of *S. macilenta*? also without the name of the author. Both these names have been given to British Carboniferous species, but whether identical species are meant I am unable to say.

(Plantæ.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>S. germanus, M'Coy.</i>	L. Mes. (Up. Coal M. of N.S.Wales ?=Trias).	vi. pt. 3, t. 3; Clarke, S. Gold-fields, 1860, p. 285; Schimper, "Traité de Pal. Vég. 1869, I. p. 411; Unger, Gen. et Spec. 1850, p. 127. *Annals Nat. Hist. 1847, xx. p. 150, t. 10, f. 2; "Proc. R. Soc. V. D. Land, 1851, I. p. 307, t. 10, f. 2; Unger, Gen. et Spec. 1850, p. 127; Schimper, "Traité de Pal. Vég. 1869, I. p. 411.	Mulubimba, N. S. Wales.
<i>S. hastata, M'Coy.</i>	L. Mes. (Up. Coal M. of N.S.Wales ?=Trias).	*Annals Nat. Hist. 1847, xx. p. 149, t. 10, f. 1; "Proc. R. Soc. V. D. Land, 1851, I. p. 306, t. 10, f. 1; Plews, Mining Inst. Jour. 1858, vi. pt. 3, t. 3; Unger, Gen. et Spec. 1850, p. 127; Schimper, "Traité de Pal. Vég. 1869, I. p. 410.	Mulubimba, N. S. Wales.
<i>S. lobifolia, Morris.</i>	L. Mes. (Up. Coal M. of N.S.Wales ?=Trias).	Strzelecki's "Phys. Descr. N. S. Wales and V. D. Land, 1845, p. 246, t. 7, f. 3; M'Coy, Annals Nat. Hist. 1847, xx. p. 149; id. Proc. R. Soc. V. D. Land, 1851, I. p. 306; Dana, "Geol. U. S. Expl. Expl. p. 715, Atlas, t. 12, f. 12.	Newcastle and Mulubimba, N. S. Wales.
<i>S. plumosa, M'Coy.</i>	L. Mes. (Up. Coal M. of N.S.Wales ?=Trias).	*Annals Nat. Hist. 1847, xx. p. 150, t. 10, f. 3; "Proc. R. Soc. V. D. Land, 1851, I. p. 307, t. 10, f. 3; Unger, Gen. et Spec. 1850, p. 127; Schimper, "Traité de Pal. Vég. 1869, I. p. 411.	Mulubimba, N. S. Wales.
<i>S. sp. ind.</i>	L. Mes.	M'Coy, Selwyn's Geol. Survey Rept. Vict. 1861-62, t. 3; Wilkinson, Geol. Report Cape Otway Dist. 1865, p. 22; Smyth's Progress Report, 1874, p. 35.	Wild Dog Creek, Apollo Bay, Vict.
<i>T. Daintreei, M'Coy.</i>	L. Mes. (Bellarine and Cape Patterson beds of Vict.). L. Mes. (Up. Coal M. of Qu. Land, ?=Trias).	Trans. Roy. Soc. Vict. 1860, v. pp. 196 and 215; Ex. Essay, 1861, p. 166; Hochstetter, Verhandl. K. K. Geol. Reichsanstalt (Jahrb. 1861, xii.), p. 28; M'Coy, Annals Nat. Hist. 1862, ix. p. 143; ibid. 1867, xx. p. 196; Wilkinson, Geol. Report Cape Otway Dist. 1865, p. 22; Carruthers, "Quart. Journ. Geol. Soc. 1872, xxviii. p. 355, t. 27, f. 6; M'Coy, Westernport Coal-fields Report, 1872, p. 6; id.	Bellarine; Barra- pool Hills; Cape Patterson; Str- zelecki Range; Murundal, Vict. Tivoli Coal Mine, Qu.

Genus *Teniopteris*, Brongniart, 1828. (Prodrome, p. 61; Hist. Vég. Fos. p. 262; Schimper, Traité de Pal. Vég. I. p. 600).—*Filices-Teniopteridæ.*

<i>T. Daintreei, M'Coy.</i>	L. Mes. (Bellarine and Cape Patterson beds of Vict.). L. Mes. (Up. Coal M. of Qu. Land, ?=Trias).	Trans. Roy. Soc. Vict. 1860, v. pp. 196 and 215; Ex. Essay, 1861, p. 166; Hochstetter, Verhandl. K. K. Geol. Reichsanstalt (Jahrb. 1861, xii.), p. 28; M'Coy, Annals Nat. Hist. 1862, ix. p. 143; ibid. 1867, xx. p. 196; Wilkinson, Geol. Report Cape Otway Dist. 1865, p. 22; Carruthers, "Quart. Journ. Geol. Soc. 1872, xxviii. p. 355, t. 27, f. 6; M'Coy, Westernport Coal-fields Report, 1872, p. 6; id.
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(Planteæ.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		Smyth's Progress Report, 1874, p. 35; <i>id.</i> *Geol. Survey, Vict. 1875, Dec. II, p. 15, t. 14, figs. 1 and 2; Feistmantel, Records Geol. Survey, India, IX. pt. 4, pp. 123, 124; <i>id.</i> Pal. Indica, ser. II. no. 2, 1877, p. 95.	
Genus <i>Vertebraria</i> ¹ (<i>Royle</i>), <i>M'Coy</i> , 1847. (Annals Nat. Hist. xx. p. 145.) <i>Marsiliaceæ</i> or <i>Equisetaceæ</i> ?			
<i>V. Australis</i> , <i>M'Coy</i> .	L. Mes. (Up. Coal M. of N. S. Wales ?=Trias).	*Annals Nat. Hist. 1847, xx. p. 147, t. 9, f. 1; <i>Sphenophyllum</i> , Unger, Genera et Spec. 1850, p. 72; <i>Vertebraria</i> , <i>M'Coy</i> , "Proc. R. Soc. V. D. Land, 1851, I. p. 304, t. 9, f. 1; <i>id.</i> Plews, Mining Inst. Jour. 1858, VI. pt. 3, t. 3; <i>id.</i> Clarke, S. Goldfields, 1860, p. 285; <i>Sphenophyllum</i> , <i>id.</i> Quart. Jour. Geol. Soc. 1861, XVII. p. 359.	Mulubimba, N. S. Wales.
Section— <i>Phanerogamia</i> . Class— <i>Monocotyledones</i> (Endogens).			
Genus <i>Endogenophyllites</i> (? <i>M'Coy</i> , ms.).			
<i>E. Wellingtonensis</i> , <i>M'Coy</i> (ms.).		Wintle, Monthly Notices R. Soc. Tas. 1869—70, p. 2.	Mount Wellington, Tas.
Genus <i>Zeugophyllites</i> , <i>Bronniart</i> , 1828. (Prodrome, p. 121; Schimper, Traité de Pal. Vég. II. 504.)— <i>Palmaceæ</i> .			
<i>Z. elongatus</i> , <i>Morris</i> .	L. Mes. (Up. Coal M. of N. S. Wales and Tas. ?=Trias).	Strzelecki's "Phys. Descr. N. S. Wales and V. D. Land, 1845, p. 250, t. 6, figs. 5 and 5 a; <i>M'Coy</i> , Annals Nat. Hist. 1847, XX. p. 152; <i>id.</i> Proc. R. Soc. V. D. Land, 1851, I. p. 309; <i>Nazgerathia</i> , Dana, "Geol. U. S. Expl. Expd. p. 715; <i>id.</i> Clarke, Quart. Jour. Geol. Soc. 1861, XVII. p. 359; <i>Zeugophyllites</i> , Schimper, "Traité de Pal. Vég. 1869, I. p. 505; <i>id.</i> Unger, Gen. et Spec. 1850, p. 382; <i>Cordaites</i> ? Crepin, "Bull. de l'Acad. R. Belgique, 1875, XXXIX. p. 265.	Mulubimba, N. S. Wales. Jerusalem Basin, Tas.
Class— <i>Dicotyledones</i> (Exogens).			
Genus <i>Bunyalites</i> , <i>M'Coy</i> (ms.), 1874. (Geol. Survey, Vict. Dec. I. pp. 32 and 34.)			
<i>B. sp. ind.</i>	L. Mes. (Bel- larine beds).	<i>M'Coy</i> , I. c.	Bellarine, Vict.

¹ *Vertebraria* was proposed but not described by Royle in his *Illustrations of the Botany of the Himalaya Mountains*. (*M'Coy*)

(Plantes.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Cardiocarpum¹, Brongniart, 1828. (Prodrome, p. 87; Antholithus, Schimper, Traité de Pal. Vég. III. p. 564; Cardiocarpon, Carruthers, Geol. Mag. 1872, IX. p. 55; = Antholithes, L. & H.)—Gymnospermae?			
C. Australae, Carruthers.	L. Mes. (Up. Coal M. of Q. Land).	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 356, t. 27, f. 4.	Tivoli Coal Mine, Qu.
Genus Næggerathia, Sternberg.—Cycadaceæ?			
N. media, Dana.	L. Mes. (Up. Coal M. of N.S. Wales ?= Trias).	*Geol. U. S. Expl. Exped. p. 715, Atlas, t. 12, f. 10.	Hunter River, N. S. Wales.
N. spatulata, Dana.	L. Mes. (Up. Coal M. of N.S. Wales ?= Trias).	*Geol. U. S. Expl. Exped. p. 715, Atlas, t. 12, f. 9; Clarke, S. Goldfields, 1860, p. 285.	Illawara, N. S. Wales.
Genus Zamites, Brongniart, 1828. (Prodrome, p. 94; Schimper, Traité de Pal. Vég. II. p. 151; Feistmantel, Pal. Indica, 1877, ser. II. no. 2, p. 114.)—Cycadaceæ.			
Z. Barklyi, M'Coy.	L. Mes. (Bel- larine beds).	Ex. Essay, 1861, p. 165; Annals Nat. Hist. 1862, IX. p. 143; Selwyn's Geol. Survey, Vict. Rept. 1861—62, t. 2; Annals Nat. Hist. 1867, XX. p. 196; Smyth's Progress Rept. 1874, p. 35; Z. (Podozamites), *Geol. Survey, Vict. Dec. 1874, I. p. 33, t. 8, figs. 1, 2 and 5.	Bellarine, Vict.
Z. ellipticus, M'Coy.	L. Mes. (Bel- larine beds).	Ex. Essay, 1861, p. 165; Annals Nat. Hist. 1862, IX. p. 143; Selwyn's Geol. Survey, Vict. Rept. 1861—62, t. 8; Annals Nat. Hist. 1867, XX. p. 196; Smyth's Progress Rept. 1874, p. 35; Z. (Podozamites), *Geol. Survey, Vict. Dec. 1874, I. 35, t. 8, f. 4.	Bellarine, Vict.
Z. longifolius, M'Coy (non Brong.).	L. Mes. (Bel- larine beds).	Ex. Essay, 1861, p. 165; Annals Nat. Hist. 1862, IX. p. 143; Selwyn's Geol. Survey, Vict. Rept. 1861—62, t. 2; Annals Nat. Hist. 1867, XX. p. 196; Smyth's Progress Rept. 1874, p. 35; *Geol. Survey, Vict. Dec. I. 1874, p. 35, t. 8, f. 3.	Bellarine, Vict.

Kingdom—Animalia. *Sub-kingdom*—Protozoa. *Class*—Rhizopoda.
Order—Foraminifera.

Genus Cristellaria, Lamarck, 1812. (Restricted by d'Orbigny, 1826, Ann. Sc. Nat. VII. p. 290, including Robulina, d'Orbigny, loc. cit. p. 287.)
Perforata-Lagenida.

C. acutauricularis,
Fichtel and Moll. | Up. Oolite. | *Nautilus*, **Testacea Microscop.* | Wollumbilla, Qu.

¹ Written *Cardiocarpon* by Brongniart.

(Rhizopoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>C. cultrata</i> , Montfort. (var. of <i>C. calcar</i> . Linn.?).	Up. Oolite.	<i>Cristellaria</i> , d'Orb. *Ann. Sc. Nat. 1826, vii. p. 292; <i>id.</i> Parker and Jones, Annals Nat. Hist. 1860, v. pp. 114, 188; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 239; var. <i>longicostata</i> , <i>id.</i> * <i>ibid.</i> p. 242. <i>Robulus</i> , *Conch. Systémat. 1808, i. pp. 214, 215, no. 54; <i>Robulus</i> , d'Orb. *Ann. Sc. Nat. 1826, vii. p. 287; <i>id.</i> *Foram. Foss. Tert. Vien. 1846, p. 96, t. 4, figs. 10—18; <i>Cristellaria</i> , Parker and Jones, Annals Nat. Hist. 1860, vi. pp. 348, 347; <i>id. ibid.</i> 1863, xii. p. 436; Parker, Jones, and Brady, <i>ibid.</i> 1865, xvi. pp. 32, 35, t. 1, f. 39; <i>id.</i> Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 232; var. <i>radiata</i> , <i>id. ibid.</i> p. 242; <i>C. cultrata</i> , Parker, Jones, and Brady, Annals Nat. Hist. 1871, viii. pp. 240, 265, t. 10, f. 84.	Wollumbilla, Qu.
Genus <i>Dentalina</i> , d'Orbigny, 1826. (Ann. Sc. Nat. vii. p. 254.) <i>Perforata-Lagenidae</i> .			
<i>D. communis</i> , d'Orb.	Up. Oolite.	<i>loc. cit.</i> ; *Mém. Soc. Géol. France, 1840, iv. p. 13, t. 1, f. 4; Jones, Parker, and Brady, *Mon. Crag. Foram. 1866, p. 57, t. 1, figs. 13—18, 20, t. 4, f. 10; Annals Nat. Hist. 1871, viii. p. 158, t. 9, f. 46; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 239.	Wollumbilla, Qu.
Genus <i>Planorbulina</i> , d'Orbigny, 1826. (Ann. Sc. Nat. vii. p. 280.) <i>Perforata-Globigerinidae</i> .			
<i>P. lobatula</i> , d'Orb.	Up. Oolite.	<i>Serpula lobata</i> , Montagu, Test. Brit. t. 3, f. 57; <i>Truncatulina tuberculata</i> , d'Orb. *Ann. Sc. Nat. vii. p. 279; <i>T. lobatula</i> , d'Orb. *Foram. Foss. Tert. Vien. 1846, p. 168, t. 9, figs. 18—23; <i>Planorbulina</i> (<i>Truncatulina</i>) <i>lobatula</i> , Parker and Jones, Annals Nat. Hist. 1859, iv. pp. 339, 341; Parker, Jones, and Brady, <i>ibid.</i> 1865, xvi. t. 2, f. 77; <i>id. ibid.</i> 1871, viii. pp. 176, 266, t. 12, f. 136; <i>P. fareata</i> (F. and M.), var.	Wollumbilla, Qu.

(Rhizopoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. Ungeriana, d'Orb.</i>	Up. Oolite.	<i>(Truncatulina) lobatula</i> , Parker and Jones, "Phil. Trans. 1865, clv. p. 381, t. 14, figs. 3—6, t. 16, f. 18—20; <i>P. lobatula</i> , Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 239.	Wollumbilla, Qu.

Genus *Polymorphina*, *d'Orbigny*, 1826. (Ann. Sc. Nat. vii. p. 265.)
Perforata-Lagenida.

<i>P. gibba, d'Orb.</i>	Up. Oolite.	<i>Globulina</i> , *l. c. p. 266; Parker, Jones, and Brady, Annals Nat. Hist. 1865, xvi. p. 29, t. 2, f. 52; Brady, Parker, and Jones, "Trans. Linn. Soc. 1870, xxvi. p. 216, t. 39, f. 2 (for synonymy); Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 239.	Wollumbilla, Qu.
<i>P. lactea, Walker and Jacob.</i>	Up. Oolite.	Parker and Jones, Annals Nat. Hist. 1859, iv. pp. 336, 341; Brady, Parker, and Jones, "Trans. Linn. Soc. 1870, xxvi. p. 213, t. 39, f. 1 (for synonymy); Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 239.	Wollumbilla, Qu.

Genus *Vaginulina*, *d'Orbigny*, 1826. (Ann. Sc. Nat. vii. p. 257.)
Perforata-Lagenida.

<i>V. striata, d'Orb.</i>	Up. Oolite.	<i>loc. cit.</i> p. 257; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 239; Parker, Jones, and Brady, Annals Nat. Hist. 1871, viii. p. 162, t. 9, f. 58.	Wollumbilla, Qu.
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Order—Spongida.

Genus *Purisiphonia*, *Bowerbank*, 1870. (Quart. Jour. Geol. Soc. xxvi. p. 240.)
Silicea.

<i>P. Clarkei, Bowerb.</i>	Up. Oolite.	<i>loc. cit.</i> p. 241, t. 17, f. 1; Sollas, Annals Nat. Hist. 1877, xv. p. 288.	Wollumbilla, Qu.
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A CATALOGUE OF AUSTRALIAN FOSSILS.

105

(Echinodermata—Brachiopoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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*Sub-kingdom—Annuloida. Class—Echinodermata.*Genus *Pentacrinus*, *Miller*, 1821. (Nat. Hist. Crinoidea, p. 45.)
Crinoidea-Pentacrinidae.

P. <i>Australis</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 243, t. 17, f. 8, t. 18, f. 1.	Mitchell Downs, Amby River; ?Wollumbilla, Qu.
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*Sub-kingdom—Annulosa. Class—Annelida.*Genus *Serpula*, *Linnæus*, 1758. (Systema, ed. 10, p. 786.)—*Tubicola*.

S. <i>intestinalis</i> , <i>Phill</i> .	Up. Oolite.	*Geol. York. 1829, i. p. 138, t. 5, f. 21; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 239.	Queensland.
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*Sub-kingdom—Mollusca. Section—Molluscoida. Class—Polyzoa.*Genus *Lepralia*, *Johnston*, 1838 (Hist. Brit. Zoophytes, p. 277) = *Berenicea*, *Flem.* (non *Lamx*).—*Cheilostomata-Membraniporidæ*.

L. <i>Oolitica</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 243, t. 17, f. 2.	Wollumbilla, Qu.
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*Class—Brachiopoda.*Genus *Argiope*, *Deslongchamps*, 1842 (Méms. Soc. Linn. Normandie, vii. p. ix.¹ Davidson, Introduction, p. 79) = *Megathyris*, *d'Orbigny*.—*Clistenterata-Terebratulidæ*.

A. <i>punctata</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 244, t. 10, f. 6.	Wollumbilla, Qu.
A. <i>Wollumbillaensis</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 243, t. 10, figs. 3—5.	Wollumbilla, Qu.

Genus *Discina*, *Lamarck*, 1819 (see p. 48).—*Tretenterata-Discinida*.

D. <i>apicalis</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 244, t. 10, f. 18.	Wollumbilla, Qu.
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Note. A Ventriculite is recorded by Mr F. T. Gregory, from the Greenough River, West Australia (Quart. Jour. Geol. Soc. xvii. p. 483). The siliceous cast of a Chalk *Microaster* was recognised by Mr Charles Moore, in a collection of fossils in the Exhibition of 1862, from the Greenough Flats, West Australia (*ibid.* xxvi. p. 28), and a species of Entomostraca from another West Australian collection (i. c. p. 231). In the Wollumbilla collection, scars on the interior of a *Panopaea* enabled Mr Moore to surmise the occurrence of *Cirripedes* in Australian Oolitic rocks (i. c. p. 243).

¹ The genus was proposed here, but not described.

(Brachiopoda—Pelecypoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Lingula, Bruguière, 1789¹ (see p. 49).—Tretenterata-Lingulidae.			
L. ovalis, J. Sowerby.	Up. Oolite.	*Min. Con. 1. p. 56, t. 19, f. 4; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 240.	Wollumbilla, Qu.

Genus Rhynchonella, Fischer, 1809 (vide p. 21).—Clistenterata-Rhynchonellidae.

R. rustica, Moore.	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 245, t. 10, figs. 7—9.	Wollumbilla, Qu.
R. solitaria, Moore.	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 245, t. 10, fig. 10.	Wollumbilla, Qu.
R. variabilis, Schlot-heim.	Oolite.	Davidson, *Brit. Ool. Brach. 1851, p. 78, t. 15, figs. 8—10, t. 16, f. 1—6, Clarke, Quart. Jour. Geol. Soc. 1867, xxiii. p. 8; Moore, ibid. 1870, xxvi. pp. 281, 232.	W. Australia.

Genus Terebratella, d'Orbigny, 1847. (Comptes Rendus, xxv. p. 269; Pal. Franç. Ter. Crét. 1847, iv. p. 110, Davidson, Introduction, p. 65).—Clistenterata-Terebratulidae.

T. Davidsoni, Moore.	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 245, t. 10, figs. 1 and 2.	Wollumbilla, Qu.
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Section—Mollusca proper.**Class—Pelecypoda (Lamellibranchiata, or Conchifera).****Genus Arca, Linnaeus, 1758. (See p. 62.)**

A. plicata, Moore.	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 249, t. 12, f. 6.	Wollumbilla, Qu.
A. prælonga, Moore.	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 249, t. 14, f. 7.	Wollumbilla, Qu.

Genus Astarte, Sowerby, 1816 (see p. 68).—Lucinacea-Astartidae.

A. apicalis, Moore.	Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 249, t. 13, f. 11.	Greenough Dist. W. Australia.
A. Cliftoni, Moore.	Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 249, t. 13, f. 10.	Greenough Dist. W. Australia.
A. Wollumbillaensis, Moore.	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 250, t. 12, f. 12.	Wollumbilla, Qu.

¹ The genus Lingula was figured by Bruguière in the Atlas of the *Encyclopédie Méthodique*, but not described.

(Pelecypoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Atomodesma, Beyrich, 1865. (Abhandl. K. Akad. Wissen. Berlin, xxxvi. p. 71.)			
<i>A. exarata, Beyrich.</i>	L. Mesozoic (Trias?).	*loc. cit. p. 71, t. 3, f. 4 a and b.	Timor.
<i>A. mytiloides, Beyrich.</i>	L. Mesozoic (Trias?).	*loc. cit. p. 71, t. 3, f. 3.	Timor.

Genus *Avicula, Klein, 1753* (see p. 64).—*Mytilacea-Aviculidae.*

<i>A. aequalis, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 247, t. 11, f. 4.	Wollumbilla, Qu.
<i>A. alata, Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 342, t. 20, f. 8.	Maryborough, Qu.
<i>A. Barklyi, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 245, t. 11, figs. 1 and 2.	Wollumbilla, Qu.
<i>A. Braamburiensis, Phillips.</i>	Up. Oolite.	*Geol. Yorksh. 1829, i. p. 140, t. 6, f. 6; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 240.	Wollumbilla, Qu.
<i>A. Corbiensis, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 246, t. 11, f. 7.	Wollumbilla, Qu.
<i>A. echinata, J. Sow.</i>	Cornbrash?	*Min. Con. III. p. 75, t. 243; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 232.	W. Australia.
<i>A. Hughendenensis, Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 346, t. 25, f. 8.	Hughenden Station, Qu.
<i>A. inaequivalvis, J. Sowerby.</i>	Oolite.	*Min. Con. III. p. 78, t. 244, f. 2; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 232.	W. Australia.
<i>A. Munsteri, Brönn.</i>	Oolite.	<i>Goldfuss</i> , *Petrefacta, II. p. 131, t. 118, f. 2; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 232; Clarke, <i>ibid.</i> 1867, xxiii. p. 9.	15 miles north of Champion Bay, W. Australia.
<i>A. reflecta, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 246, t. 12, f. 1.	Wollumbilla, Qu.
<i>A. simplex, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 247, t. 11, f. 8.	Wollumbilla, Qu.
<i>A. substriata, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 247, t. 11, f. 6.	Wollumbilla, Qu.
<i>A. umbonalis, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 246, t. 12, figs. 2 and 3.	Wollumbilla, Qu.

Genus *Crenatula, Lamarck, 1804. (Ann. Muséum, III. p. 28; Hist. Nat. Anim. s. Vertèb. 1819, vi. pt. 1, p. 136.)—Mytilacea-Aviculidae.*

<i>C. gibbosa, Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 339, t. 19, f. 8.	Maryborough, Qu.
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Genus *Cucullaea, Lamarck, 1801. (Système, p. 116.)—Arcacea-Arcidae.*

<i>C. costata, Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 340, t. 20, f. 2.	Maryborough, Qu.
<i>C. inflata, Moore.</i>	Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 250, t. 14, figs. 1 and 2.	Greenough Dist. W. Australia.

(Pelecypoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
C. oblonga, <i>J. Sow.</i>	Oolite.	*Min. Con. III. p. 7, t. 206, figs. 1 and 2; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 232.	W. Australia.
C. robusta, <i>Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 340, t. 20, f. 1.	Maryborough, Qu.
C. semistriata, <i>Moore.</i>	Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 250, t. 14, f. 8.	Greenough Dist. W. Australia.
Genus Cytherea, Lamarck, 1806. (Ann. du Muséum, VII. p. 132.)—Veneracea-Veneridae.			
C. Clarkei, <i>Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 250, t. 13, f. 1.	Wollumbilla; Maranoa River; Gregory River, north of Finnis Springs, Qu.
C. gibbosa, <i>Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 251.	Wollumbilla, Qu.
Genus Cyprina, Lamarck, 1812. (Cours de Zoologie!; Hist. d. Anim. s. Vertèb. 1818, v. pp. 556 and 566.)—Veneracea-Cyprinidae¹.			
C. expansa, <i>Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 338, t. 19, f. 1.	Maryborough, Qu.
Sub-genus Goniomysa², Agassiz (1838, ms.), 1842 (Études Crit. Mon. Mys. 1842—45, p. 1)=Lysianassa, Münster.—Myacea-Anatinidae.			
G. depressa, <i>Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 251, t. 13, f. 6.	Wollumbilla, Qu.
Sub-genus Gresslya, Agassiz, 1842. (Études Crit. Mon. Mys. 1842—45, p. 202.) Myacea-Anatinidae.			
G. donaciformis, <i>Phillips.</i>	Up. Lias.	Amphidesma, *Geol. York. 1829, I. p. 161, t. 12, f. 5; Gresslya, Ag. l. c. p. 232; id. Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 232.	W. Australia.
Sub-genus Homomya, Agassiz, 1842 or 1843? (Études Crit. Mon. Mys. 1842—45, p. 154.) Myacea-Anatinidae.			
H. ? sp. ind.	L. Oolite.	Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 347, t. 25, f. 5.	Gordon Downs, Qu.

¹ The term *Cyprinidae* having been long ago used in Ichthyology, Dr Stoliczka proposed to adopt in its place that of *Glossidae*, Gray (*Pal. Indica*, III. p. 183).

² According to Bronn, this name was first used by Agassiz in 1838, but according to Agassiz's own statement, it first appeared attached to certain plates of his "Études Critiques," submitted to the Geological Section of the meeting of Swiss Naturalists at Basle in 1838. It also appeared during this year in a paper by M. Gressly, "Observations Géologiques sur le Jura Soleurois" (*Novv. Mém. Soc. Helvétique des Sci. Nat. Neuchâtel*), but appears to have been first definitely described in 1842 (*Études Crit.* p. 1). *Goniomysa* is synonymous with *Lysianassa*, Münster, 1838 (*N. Jahrbuch*, 1838, p. 55), but the latter, according to Bronn, had already been used for a genus of Crustacea by Milne-Edwards.

(Pelecypoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Inoceramus</i> ¹ (<i>J. Sowerby</i> , 1814, ms.), <i>Parkinson</i> , 1819 (see p. 70). <i>Mytilacea-Aviculidae.</i>			
<i>I. Carsono, M'Coy.</i>	Cretaceous.	Annals Nat. Hist. 1865, xvi. p. 334; "Trans. Roy. Soc. Vict. 1866, vii. p. 50; Annals Nat. Hist. 1867, xx. p. 196; ? Sp. allied to <i>I. problematicus</i> (d'Orb.), Etheridge, "Quart. Jour. Geol. Soc. 1872, xxviii. p. 844, t. 22, f. 4.	Base of Walker's Table Mounts, Flinders River; Marathon Sta- tion, Qu.
<i>I. Marathonensis, Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 843, t. 22, f. 1.	Marathon Station, Flinders R. Qu.
<i>I. multiplicatus, Stoliczka.</i>	Cretaceous.	*Pal. Indica, iii. p. 406, t. 28, f. 1; var. <i>elongata</i> , Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 843, t. 22, f. 2.	Marathon Station, Flinders R. Qu.
<i>I. pernoides, Ether- ridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 843, t. 22, f. 3.	Marathon Station, Qu.
<i>I. Sutherlandi, M'Coy.</i>	Cretaceous.	Annals Nat. Hist. 1865, xvi. p. 334; "Trans. Roy. Soc. Vict. 1866, vii. p. 50; Annals Nat. Hist. 1867, xx. p. 196.	Base of Walker's Table Mounts, Flinders R. Qu.

Genus *Leda*, *Schumacher*, 1817. (Essai d'une Nouv. Syst. Habit. p. 172.)
Vide *Nuculana*, Link.

<i>L. Australis, Moore.</i>		Vide <i>Nuculana Australis</i> .	
<i>L. elongata, Ether- ridge.</i>		Vide <i>Nuculana elongata</i> .	

Genus *Lima*², *Bruguière*, 1789 or 1791? (Tab. Encycl. Méthod. pl. 206;
Lamarck, Système, 1801, p. 136.)—*Ostracea-Radulidae.*

<i>L. duplicata, J. de C. Sowerby.</i>	Oolite.	*Min. Con. vi. p. 114, t. 559, f. 3; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 232.	<i>W. Australia.</i>
<i>L. Gordonii, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 247, t. 12, f. 4.	<i>Wollumbilla, Qu.</i>
<i>L. multistriata, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 248, t. 12, f. 5.	<i>Wollumbilla, Qu.</i>
<i>L. proboscidea, J. Sowerby.</i>	Oolite.	*Min. Con. iii. p. 115, t. 264; Clarke, Quart. Jour. Geol. Soc. 1867, xxiii. p. 8; Moore, <i>ibid.</i> 1870, xxvi. pp. 230—32.	<i>W. Australia.</i>
<i>L. punctata, J. Sow.</i>	Oolite.	<i>Plagiostoma</i> , *Min. Con. ii. p. 25, t. 113, f. 1 and 2; <i>Lima</i> , Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 232.	<i>W. Australia.</i>

¹ In a collection of fossils forwarded to England by Mr W. Hann, from the Baroco River, fifty miles below its junction with the Alice River, Mr Etheridge, F.R.S., recognized *Inoceramus* having the general facies of British gault forms (Quart. Jour. Geol. Soc. 1872, xxviii. p. 185).

² It appears that the generic name *Lima* must give way to that of *Radula*, Klein, 1753 (*Tent. Meth. Ostrac.* p. 135), which has precedence (see Stoliczka, *Pal. Indica*, iii. p. 412).

(Pelecypoda.)

(Mesozoie.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Lucina</i> , <i>Bruguière</i> , 1792. (Tab. Encycl. Méthod. pl. 284—86; <i>Lamarck</i> , <i>Prodrome</i> , p. 84, <i>id. Système</i> , 1801, p. 124; <i>id. Histoire</i> , 1818, v. p. 538.) <i>Lucinacea-Lucinidae</i> .			
<i>L. anomala</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 251, t. 14, f. 4.	Wollumbilla, Qu.
<i>L. ? Australis</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 251, t. 14, f. 5.	Wollumbilla, Qu.
Genus <i>Mactra</i> , <i>Linnæus</i> , 1767. (Systema, ed. 12, pt. 2, 1125; <i>Lamarck</i> , <i>Système</i> , 1801, p. 121; <i>id. Histoire</i> , 1818, v. p. 471).— <i>Myacea-Mactridæ</i> .			
<i>M. trigonalis</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 252, t. 14, f. 6.	Nive River Downs, Qu.
Genus <i>Melina</i> , <i>Retzius</i> , 1788 (Dissert. Hist. Nat.! <i>Stoliczka</i> , <i>Pal. Indica</i> , III. p. 395) = <i>Perna</i> , <i>Bruguière</i> (non <i>Adanson</i> , nec <i>Retzius</i>).— <i>Mytilacea-Aviculidæ</i> .			
<i>M. gigantea</i> , <i>Moore</i> .	Up. Oolite.	<i>Perna</i> , *Quart. Jour. Geol. Soc. 1870, xxvi. p. 249.	Wollumbilla, Qu.
Genus <i>Modiola</i> , <i>Lamarck</i> , 1799 (see p. 71).— <i>Mytilacea-Mytilidæ</i> .			
<i>M. unica</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 253, t. 13, f. 5.	Wollumbilla, Qu.
Genus <i>Mya</i> , <i>Linnæus</i> , 1758. (Systema, ed. 10, p. 670; <i>Lamarck</i> , <i>Prodrome</i> , 1799, p. 83.) <i>Myacea-Myidae</i> .			
<i>M. Maccoyi</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 253, t. 13, f. 8.	Between Amby and Maranoa Rivers, Qu.
Genus <i>Myacites</i> , <i>Schlotheim</i> , 1820 (Petrefactenkunde, p. 176; <i>Stoliczka</i> , <i>Pal. Indica</i> , III. p. 67) = <i>Pleuromya</i> , <i>Agassiz</i> . <i>Myacea-Anatinidæ</i> .			
<i>M. Liassianus</i> , <i>Quenstedt</i> .	Mid. Lias?	<i>M. liasinus</i> , *Der Jura, 1858, p. 81, t. 10, f. 3; <i>M. Liassianus</i> , <i>Moore</i> , Quart. Jour. Geol. Soc. 1870, xxvi. pp. 229—32.	<i>W. Australia</i> .
<i>M. planus</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 254, t. 12, f. 10.	Wollumbilla, Qu.
<i>M. Sandfordii</i> , <i>Moore</i> .	Inf. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 253, t. 13, f. 9.	Greenough Dist. <i>W. Australia</i> .
<i>M. ? sp. ind.</i>	L. Oolite.	Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 348, t. 25, f. 7.	Gordon Downs, Qu.

Genus *Mytilus*¹, *Linnæus*, 1758 (see p. 72) = *Perna*, *Adanson*, 1757. *Mytilacea-Mytilidæ*.

<i>M. inflatus</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 252, t. 18, f. 4.	Wollumbilla, Qu.
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¹ The generic name *Mytilus* should give place to that of *Perna*, *Adanson*, 1757 (*Voy. au Sénégal*, p. 217). It is not the *Perna* of *Bruguière*.

(Pelecypoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>M. planus, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 252, t. 13, f. 3.	Wollumbilla, Qu.
<i>M. rugocostatus, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 252, t. 13, f. 2.	Wollumbilla, Qu.

Genus *Nucula*, Lamarck, 1799 (see p. 73).—*Arcacea-Nuculidae*.

<i>N. Cooperi, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 254, t. 12, f. 8.	Wollumbilla, Qu.
<i>N. gigantea, Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 341, t. 20, f. 4.	Maryborough, Qu.
<i>N. quadrata, Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 341, t. 19, f. 5, t. 20, f. 3.	Maryborough, Qu.
<i>N. truncata, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 254, t. 12, f. 9.	Wollumbilla, Qu.

Genus *Nuculana*, Link, 1807 (see p. 74).—*Arcacea-Nuculanidae*.

<i>N. Australis, Moore.</i>	Up. Oolite.	<i>Leda</i> , Quart. Jour. Geol. Soc. 1870, xxvi. p. 251, t. 12, f. 7.	Wollumbilla, Qu.
<i>N. elongata, Etheridge.</i>	Cretaceous.	<i>Leda</i> , Quart. Jour. Geol. Soc. 1872, xxviii. p. 341, t. 20, f. 5.	Maryborough, Qu.

Genus *Ostrea*, Linnaeus, 1758. (Systema, ed. 10, p. 696).—*Ostracea-Ostreidae*.

<i>O. Marshii, J. Sov.</i>	Oolite.	*Min. Con. i. p. 108, t. 48; Clarke, Quart. Jour. Geol. Soc. 1867, xxiii. pp. 8 and 9; Moore, <i>ibid.</i> 1870, xxvi. pp. 230—32.	Greenough Dist., 15 miles north of Champion Bay, W. Australia.
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Genus *Panopaea*, Ménard de la Groye, 1807. (Ann. Muséum, ix. p. 135; Stoliczka, Pal. Indies, iii. p. 86).—*Myacea-Myacidæ*.

<i>P. plicata, J. de C. Sowerby.</i>	Cretaceous.	<i>Mya</i> , *Min. Con. v. p. 20, t. 419, f. 3; <i>P. plicata</i> , var. <i>acuta</i> , Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 342, t. 21, f. 3.	Pelican Creek, Qu.
<i>P. rugosa, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 253, t. 13, f. 7.	Bungeeworgorai Ck., near Mount Abundance, Qu.
<i>P. sulcata, Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 342, t. 21, f. 2.	Maryborough, Qu.

Genus *Pecten*, O. F. Müller, 1776 (see p. 76).—*Ostracea-Pectinidae*.

<i>P. ? aequilineatus, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 248, t. 11, f. 11.	Wollumbilla, Qu.
<i>P. calvus, Goldfuss.</i>	Oolite.	*Pectrefacta, ii. p. 74, t. 99, f. 1; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. pp. 231, 232.	W. Australia.

(Pelecypoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. cinctus, J. Sow.</i>	Oolite.	*Min. Con. iv. p. 96, t. 371; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. pp. 231, 232.	<i>W. Australia.</i>
<i>P. fimbriatus, Moore1.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 248, t. 11, f. 8.	Wollumbilla, Qu.
<i>P. Greenoughiensis, Moore.</i>	Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 248, t. 11, f. 10.	Greenough Dist. <i>W. Australia.</i>
<i>P. socialis, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 248, t. 11, f. 9.	Wollumbilla, Qu.
Genus <i>Perna</i> , <i>Bruguière</i> , 1789 or 1791? (Tab. Encyclop. Méthod. pls. 175, 176; Encyclop. Méthod. 1792, i. p. xiii.; Lamarck, Système, 1801, p. 134; <i>id. Histoire</i> , 1819, vi. pt. 1, p. 138), non <i>Retzius</i> , nec <i>Adanson</i> . Vide <i>Melina</i> , <i>Retzius</i> .			
<i>P. gigantea, Moore.</i>		Vide <i>Melina gigantea</i> .	
Genus <i>Pholadomya</i> , <i>G. B. Sowerby</i> , 1823 (see p. 76).— <i>Myacea-Anatinidae</i> .			
<i>P. ovulum, L. Agassiz.</i>	Oolite.	Études Crit. Mon. Myes. p. 119, t. 3, figs. 7—9; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. pp. 231, 232.	<i>W. Australia.</i>
<i>P. sp. ind.</i>	L. Oolite.	Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 347, t. 25, f. 6.	Gordon Downs, Qu.
Genus <i>Pholas</i> , <i>Linnæus</i> , 1758. (Systema, ed. 10, i. p. 669).— <i>Pholadacea-Pholadidae</i> .			
<i>P. Australis, Clarke.</i>		Vide <i>Teredo Australis</i> , Moore.	
Genus <i>Tancredia</i> , <i>Lycett</i> , 1850 (Annals Nat. Hist. vi. p. 407; Stoliczka, Pal. Indica, iii. p. 182)= <i>Hettangia</i> , <i>Terquem</i> , 1850.— <i>Tellinacea-Donacidae</i> .			
<i>T. plana, Moore.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 254, t. 13, f. 13.	Blythesdale, Qu.
<i>T. sp. ind.</i>	L. Oolite.	Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 348, t. 25, f. 8.	Gordon Downs, Qu.
Genus <i>Tellina</i> , <i>Adanson</i> , 1757. (Voy. Sénégal, p. 234; Linnæus, Systema, ed. 10, 1758, p. 674; Lamarck, Prodrome, 1799, p. 84; <i>id. Système</i> , 1801, p. 124; <i>id. Histoire</i> , 1818, v. p. 519).— <i>Tellinacea-Tellinidae</i> .			
<i>T. Mariæburiensis, Etheridge.</i>	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 341, t. 20, f. 6.	Maryborough, Qu.
<i>T. sp. ind.</i>	Cretaceous.	Etheridge, *Quart. Jour. Geol. Soc. 1872, xxviii. p. 341, t. 20, f. 7.	Maryborough, Qu.
Genus <i>Teredo</i> , <i>Linnæus</i> , 1758. (Systema, ed. 10, p. 651; Lamarck, Système, 1801, p. 128; <i>id. Histoire</i> , 1818, v. p. 438).— <i>Pholadacea-Pholadidae</i> .			
<i>T. Australis, Moore.</i>	Oolite.	<i>Pholas</i> , Clarke, Quart. Jour. Geol. Soc. 1867, xxiii. p. 8; <i>Teredo</i> , Moore, * <i>ibid.</i> 1870, xxvi. pp. 230 and 255, t. 12, f. 11.	<i>W. Australia.</i>

¹ Non *Pecten* (*Aviculopecten*) *fimbriatus*. Phill.

A CATALOGUE OF AUSTRALIAN FOSSILS.

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(Pelecypoda—Gasteropoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Thracia (Leach, 1819, ms.), <i>Blainville</i> , 1824. (Dict. Sci. Nat. xxxii. p. 347; Man. de Malacol. 1825, i. p. 564.)— <i>Myacea-Anatinidae</i> .			
T. Wilsoni, Moore.	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 254, t. 14, f. 8.	Amby River; Bungewgorai Ch. Qu.
Genus Trigonia , <i>Bruguière</i> , 1789. (Encycl. Méthod. i. pl. xiv.; Lamarck, Système, p. 116; id. Histoire, 1819, vi. pt. 1, p. 61.)— <i>Arcacea-Trigoniidae</i> .			
T. costata, Clarke (non Park.).		Vide T. Moorei, Lycett.	
T. lineata, Moore.	Up. Oolite.	<i>Myophoria</i> , sp. M'Coy (1861), Trans. Roy. Soc. Vict. 1865, vi. p. 44; id. ibid. Exhib. Essay, 1861, p. 167; id. ibid. Annals Nat. Hist. 1862, ix. p. 144; id. Clarke, Quart. Jour. Geol. Soc. 1862, xviii. p. 245; id. M'Coy, Annals Nat. Hist. 1867, xx. p. 198. <i>Trigonia</i> , Moore, *Quart. Jour. Geol. Soc. 1870, xxvi. p. 255, t. 13, f. 12.	Wollumbilla, Qu.
T. Moorei, Lycett.	Oolite.	<i>Trigonia</i> , sp. Gregory, Quart. Jour. Geol. Soc. 1861, xvii. p. 483. T. costata, Clarke (non Parkinson), Quart. Jour. Geol. Soc. 1867, xxxi. p. 8; T. Moorei (Lycett), Moore, *ibid. 1870, xxvi. pp. 227, 231, 232, and 254, t. 14, figs. 9 and 10.	Greenough River, W. Australia.
T. nasuta, Etheridge.	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 339, t. 19, f. 2.	Maryborough, Qu.
Genus Unio, Retzius , 1788. (Dissertatio Hist. Nat. p. 18.)— <i>Unionacea—Unionidae</i> .			
U. Dacombii, M'Coy.	L. Mesozoic.	Selwyn, Ex. Essay Geol. Survey Vict. 1861, p. 186; Phys. Geogr. Geol. and Mineral. Vict. 1866, p. 20; Descript. Cat. Nat. Mus. Geol. Survey, Vict. 1868, p. 49; M'Coy, Smyth's Progress Rept. 1874, pp. 24 and 35; ? U. Daintreei, Clarke, Quart. Jour. Geol. Soc. 1867, xxxi. p. 10.	Wannon District, Vict.

Class—Gasteropoda.

Genus Acteon, de Montfort, 1810. (Conch. Systématique, ii. p. 315; Adams, Genera, 1854, ii. p. 4)=*Tornatella*, Lamarck, 1812.—*Opisthoibr.—Acteonidae*.

A. depressus, Moore.	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 256, t. 10, f. 20.	Wollumbilla, Qu.
A. Hochstetteri, Moore.	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 256, t. 10, f. 19.	Wollumbilla, Qu.

(Gasteropoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Cerithium</i> , <i>Adanson</i> , 1757. (Voy. Sénégal, p. 152; Lamarck, 1799, Prodrome, p. 78; <i>id.</i> <i>Systema</i> , p. 85; <i>id.</i> <i>Histoire</i> , 1822, vii. p. 63; Adams, Genera, 1854, i. p. 284.)— <i>Prosobr.-Cerithiidae</i> .			
<i>C. Greenoughiensis</i> , <i>Moore</i> .	Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 256, t. 10, f. 22.	Greenough Dist. <i>W. Australia</i> .
Genus <i>Delphinula</i> , <i>Lamarck</i> , 1804. (Ann. du Muséum, iv. p. 108; <i>id.</i> <i>Histoire</i> , 1822, vi. p. 229; Stoliczka, <i>Pal. Indica</i> , ii. p. 368.)— <i>Prosobr.-Trochidae</i> .			
<i>D. reflecta</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 256, t. 10, f. 21.	Wollumbilla, Qu.
Genus <i>Dentalium</i> , <i>Linnæus</i> , 1758 (see p. 81).— <i>Prosobr.-Dentaliidae</i> .			
<i>D. lineatum</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 256.	Wollumbilla, Qu.
Genus <i>Natica</i> , <i>Adanson</i> , 1757. (Voy. Sénégal, p. 172; Lamarck, 1799, Prodrome, p. 77; <i>id.</i> <i>Système</i> , 1801, p. 95; <i>id.</i> <i>Histoire</i> , 1822, vi. pt. 2, p. 195; Adams, Genera, 1858, i. p. 204.)— <i>Prosobr.-Naticidae</i> .			
<i>N. lineata</i> , <i>Etheridge</i> .	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 342, t. 21, f. 1.	Maryborough, Qu.
<i>N. ornatissima</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 257, t. 10, f. 16.	Wollumbilla, Qu.
<i>N. variabilis</i> , <i>Moore</i> .	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 256, t. 10, f. 15.	Wollumbilla, Qu.
Genus <i>Pleurotomaria</i> , <i>Defrance</i> , 1824. (Tableau, p. 114; Dict. Sc. Nat. 1826, xli. p. 381; Adams, Genera, 1858, ii. p. 630.)— <i>Prosobr.-Pleurotomariidae</i> .			
<i>P. Clifftoni</i> , <i>Ethe- ridge</i> .	Oolite.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 347, t. 25, f. 4.	Gordon Downs, Qu.
Genus <i>Rissoina</i> , <i>d'Orbigny</i> , 1840. (Moll. d'Antill. ii. 1; Adams, Genera, 1854, i. p. 327; Stoliczka, <i>Pal. Indica</i> , ii. p. 279.)— <i>Prosobr.-Rissoidae</i> .			
<i>R. Australis</i> , <i>Moore</i> .		*Quart. Jour. Geol. Soc. 1870, xxvi. p. 257, t. 10, f. 23.	Greenough Dist. <i>W. Australia</i> .
Genus <i>Turbo</i> (pars), <i>Linnæus</i> , 1758 ¹ . (Systema, ed. 10, p. 761; Lamarck, Prodrome, 1799, p. 74; <i>id.</i> <i>Système</i> , 1801, p. 86; <i>id.</i> <i>Histoire</i> , 1822, vii. p. 38; Adams, Genera, 1854, i. p. 391.)— <i>Prosobr.-Turbinidae</i> .			
<i>T. Australis</i> , <i>Moore</i> .	Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 257, t. 10, figs. 17 and 18.	Greenough Dist. <i>W. Australia</i> .
<i>T. laevigatus</i> , <i>J. Sowerby</i> .	Oolite.	<i>Nerita</i> , *Min. Con. III. p. 31, t. 217, f. 1; <i>Turbo</i> , <i>Moore</i> , Quart. Jour. Geol. Soc. 1870, xxvi. p. 232.	Greenough Dist. <i>W. Australia</i> .

¹ The name was used by Klein, in 1753, but apparently in a much more extended sense (*Tent. Meth. Ostrac.* pt. 1, p. 46).

(Cephalopoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Class—Cephalopoda.</i>			
<i>Genus Ammonites, Bruguière, 1789. (Encycl. Méth. I. p. 28; Lamarck, Prodrome, 1799, p. 79; id. Système, 1801, p. 100; Histoire, 1822, VII. p. 635.)</i> <i>Tetrabranchiata-Ammonitidae.</i>			
<i>A. Aalensis, Zieten.</i>	Up. Lias.	*Pet. Wurttemb. 1830, p. 87, t. 28, f. 3; d'Orbigny, Pal. Franc. Terr. Jura, I. p. 258, t. 63 (as <i>A. Aalensis</i>); <i>A. Moorei</i> (Lycett), Clarke, Quart. Jour. Geol. Soc. 1867, XXIII. p. 9; <i>A. Aalensis</i> , var. <i>Moorei</i> (Lycett), Moore, *ibid. 1870, XXVI. pp. 230 and 232, t. 15, f. 1.	Greenough Dist. <i>W. Australia.</i>
<i>A. Brocchii, J. Sow.</i>	Inf. Oolite.	*Min. Con. II. p. 233, t. 202; Moore, *Quart. Jour. Geol. Soc. 1870, XXVI. pp. 230 and 232, t. 15, f. 4.	Greenough Dist. <i>W. Australia.</i>
<i>A. Daintreei, Etheridge.</i>	L. Cretaceous.	*Quart. Jour. Geol. Soc. 1872, XXVIII. p. 346, t. 24.	Hughenden Statn. <i>Qu.</i>
<i>A. Flindersi, M'Coy.</i>	Cretaceous.	Annals Nat. Hist. 1865, XVI. p. 834; *Trans. Roy. Soc. Vict. 1866, VII. p. 51; Annals Nat. Hist. 1867, XX. p. 196; ? <i>A. Beudanti</i> , var. <i>Mitchelli</i> , Etheridge, *Quart. Jour. Geol. Soc. 1872, XXVIII. p. 345, t. 23.	Base of Walker's Table Mounts, Flinders River; Hughenden Station, <i>Qu.</i>
<i>A. macrocephalus, Schlotheim.</i>		Leonhard's Min. Taschenbuch, 1813, VIII. p. 70; *Petrefacten, 1820, I. p. 70; Zieten, Pet. Wurttemb. 1830, p. 6, t. 5, f. 1 and 4; d'Orbigny, *Pal. Franc. Terr. Jura. 1848, I. p. 430, t. 151; Lycett and Morris, *Mon. Gt. Oolite, Moll. 1850, pt. 1, p. 12, t. 2, f. 3; Moore, *Quart. Jour. Geol. Soc. 1870, XXVI. pp. 227 and 232, t. 15, f. 5.	Wizard Peak; Greenough Dist. <i>W. Australia.</i>
<i>A. megaphyllus, Beyrich.</i>	L. Mesozoic (Trias?)	Monatsb. K. Akad. Wissenschaft. Berlin, 1865, pp. 60, 66, and 70, f. 3; Abhandl. ibid. 1865, XXV. p. 70, t. 8, f. 1 a—c. ?Vide <i>A. Flindersi</i> , M'Coy.	Timor.
<i>A. Mitchelli, Etheridge.</i>		Vide <i>A. Aalensis</i> .	
<i>A. Moorei, Lycett.</i>		*Petrefacten, 1820, I. p. 78; Zieten, *Pet. d. Wurttemb. 1830, p. 5, t. 4, f. 3; d'Orbigny, Pal. Franc. Terr. Jura, I. p. 226, t. 59; Clarke, Quart. Jour. Geol. Soc. 1867, XXIII. p. 8; Moore, *ibid. 1870, XXVI. pp. 230 and 232, t. 15, f. 2.	Wizard Peak; Greenough Dist. <i>W. Australia.</i>
<i>A. radians, Schlottheim.</i>	Up. Lias.		

(Cephalopoda.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
A. Sutherlandi, Etheridge.	Cretaceous.	*Quart. Jour. Geol. Soc. 1872, xxviii. p. 345, t. 21, f. 4.	Queensland.
A. Walcottii, J. Sow.	Up. Lias.	*Min. Con. II. p. 7, t. 106; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. pp. 230 and 232.	Greenough Dist. W. Australia.

Genus *Ancyloceras*, *d'Orbigny*, 1842. (Pal. Franç. Terr. Crét. I. pt. 2, p. 491.)
Tetrabranchiata-Ammonitidae.

A. Flindersi, M'Coy.	Cretaceous.	Annals Nat. Hist. 1867, xix. p. 356.	Head of Flinders River, Qu.
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Genus *Belemnitella*, *d'Orbigny*, 1840. (Pal. Franç. Terr. Crét. I. p. 59.)

B. diptycha, M'Coy.	Cretaceous.	*Trans. Roy. Soc. Vict. viii. p. 42; Annals Nat. Hist. 1867, xix. p. 356; <i>ibid. id. xx.</i> p. 196.	Head of Flinders River, Qu.
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Genus *Belemnites* (*G. Agricola*; *Lister*, 1678). *d'Orbigny*, Pal. Franç. Terr. Crét. 1840, I. p. 37; *Phillips*, Mon. Brit. Bel. 1866, pt. 1, p. 12.
Dibranchiata-Decapoda—Belemnitidae.

B. Australis, <i>Phill.</i>	Up. Oolite.	*Quart. Jour. Geol. Soc. 1870, xxvi. pp. 240 and 258, t. 16, figs. 1—5.	Up. Maranoa River, Qu.
B. canaliculatus, <i>Schlotheim</i> .	Oolite.	*Petrefacten, 1820, I. p. 49; Zieten, *Pet. Wurtemb. 1830, p. 27, t. 21, f. 8 a—c; <i>d'Orbigny</i> , Pal. Franç. Terr. Crét. I. p. 108; t. 18, f. 1—5; <i>Clarke</i> , Quart. Jour. Geol. Soc. 1867, xxiii. p. 9; <i>Moore</i> , <i>ibid.</i> 1870, xxvi. pp. 227, 230, and 232, t. 16, f. 7.	15 miles north of Champion Bay; Greenough Dist. W. Australia.
B. Barklyi, <i>Clarke</i> and <i>M'Coy</i> .		<i>Clarke</i> , Quart. Jour. Geol. Soc. 1862, xviii. p. 246; <i>M'Coy</i> , Trans. Roy. Soc. Vict. 1866, vi. p. 43.	Wollumbilla, Qu.
B. paxillosus, <i>Schlot</i> <i>heim</i> ?		Voltz, *Obs. Belem. 1830, p. 50, t. 6, f. 2, t. 7, f. 2; <i>Phillips</i> , *Mon. Brit. Belem. 1866, pt. 2, p. 47, t. 6, f. 15; <i>Moore</i> , Quart. Jour. Geol. Soc. 1870, xxvi. p. 240, t. 16, f. 6.	Queensland.

Genus *Crioceras*, *Leveillé*, 1837. (Mém. Soc. Géol. France, II. p. 313; *d'Orbigny*, 1842, Pal. Franç. Terr. Crét. I. pt. 2, p. 457) = *Tropæum*, *J. Sowerby*.
Tetrabranchiata-Ammonitidae.

C. Australe, <i>Moore</i> .	Neocomian?	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 257, t. 15, f. 3.	Up. Maranoa Dist. Qu.
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Note. A chalk Ammonite was obtained from the bed of the Greenough River, by Mr F. T. Gregory (Moore, I. c. p. 227). In the Daintree Collection, Mr Etheridge detected two or three species of Belemnites allied to British Oxford clay and Coral Rag forms (Quart. Jour. xxviii. p. 346).

A CATALOGUE OF AUSTRALIAN FOSSILS.

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(Cephalopoda—Pisces.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Nautilus</i> , <i>Brerynus</i> , 1732. (Dissert. de Polythal. pp. 12 and 14; Linnæus, 1758, <i>Systema</i> , ed. 10. p. 709; Lamarck, <i>Prodrome</i> , 1799, p. 79.) <i>Tetrabranchiata-Nautilidae.</i>			
<i>N. semistriatus</i> , <i>d'Orbigny</i> .	Up. Lias.	Pal. Franç. Terr. Jura. 1842, i. p. 149, t. 26; Clarke, Quart. Jour. Geol. Soc. 1867, xxiii . p. 8; Moore, <i>ibid.</i> 1870, xxvi . pp. 230—32.	Greenough Dist. <i>W. Australia.</i>
<i>N. sinuatus</i> , <i>Clarke</i> .		Quart. Jour. Geol. Soc. xxiii . p. 8 (? <i>=N. sinuatus</i> , J. Sowerby, Min. Con. ii. p. 213, t. 194.)	<i>W. Australia.</i>

Genus <i>Teuthis</i> (<i>Aristotelis</i>), <i>Schneider</i> , 1784. (Samml. Verm. p. 118; J. E. Gray, Brit. Mus. Cat. Ceph. pt. 1, 1849, p. 76.)— <i>Dibranchiata-Decapoda—Teuthidae.</i>			
<i>T.?</i> sp. <i>ind.</i>	Up. Oolite.	Moore, *Quart. Jour. Geol. Soc. 1870, xxvi . p. 258, t. 16, f. 8.	Wollumbilla, Qu.

Sub-kingdom—Vertebrata. Class—Pisces. Order—Ganoidei.

Genus *Cleithrolepis*, *Egerton*, 1864. (Quart. Jour. Geol. Soc. **xx**. p. 3.)

<i>C. granulatus</i> , <i>Egerton</i> .	L. Mesozoic. Wianamatta Series. Hawkesbury Series of N.S.Wales.	*l. c. p. 3, t. 1, figs. 2 and 3; Davies and Barkas, Geol. Mag. 2nd ser. i. p. 549; Traquair, Annals Nat. Hist. 1875, xv. p. 265; Clarke, Remarks Sed. Forms, N. S. Wales, 3rd ed. 1875, p. 31; Littken, Palæontographica, 1878, xxix . pt. 1, p. 29, note 2.	Cockatoo Island, Hunter River, N. S. Wales.
Genus <i>Myriolepis</i> , <i>Egerton</i> , 1864 (l. c. p. 3; Traquair, Mon. Ganoid Fishes, 1877, p. 12.) <i>Palæoniscidae.</i>			
<i>M. Clarkei</i> , <i>Egerton</i> .	L. Mesozoic. Wianamatta Series. Hawkesbury Series of N.S.Wales.	*l. c. p. 3, t. 1, f. 1; Davies and Barkas, Geol. Mag. 1874, 2nd ser. i. p. 551; Clarke, Remarks Sed. Forms, N. S. Wales, 3rd ed. 1875, p. 31.	Cockatoo Island; Chapel Hill, Campbelltown, N. S. Wales.

Genus *Palæoniscus*, *Agassiz*, 1833. (Poiss. Foss. ii. p. 41.)—*Palæoniscidae.*

<i>P. antipodeus</i> , <i>Egerton</i> .	L. Mesozoic. Wianamatta Series of N.S.Wales.	*l. c. p. 4, t. 1, f. 4, and woodcut, Davies and Barkas, Geol. Mag. 1874, 2nd ser. i. p. 551.	Parsonage Hill, near Paramatta, N. S. Wales.
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Notes. Mr F. T. Gregory recorded as fossils of secondary age, an *Ammonite* from Moresby's Range, an *Ammonite* from Mount Albert, and a *Pecten* from east of Wizard Peak.

A large Cephalopod, referable either to *Anayloceras* or *Crioceras* was detected by Mr Etheridge in the Daintree Collection (Quart. Jour. Geol. Soc. **xxviii**. p. 344).

(Pisces—Enaliosauria.)

(Mesozoic.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Urosthenes</i> , <i>Dana</i> , 1848. (American Jour. Sc. v. p. 433; Traquair, Mon. Ganoid Fishes, 1877, p. 12.)— <i>Palaeoniscidae</i> .			
<i>U. Australis</i> , <i>Dana</i> .	L. Mes. (Up. Coal M. of N.S.Wales ?—Trias).	* <i>l. c. p. 434</i> ; *Geol. U. S. Expl. Expd. p. 681, Atlas, t. 1, f. 1; Clarke, Quart. Jour. Geol. Soc. 1861, xvii. p. 355; Egerton, <i>l. c. p. 2</i> ; Davies and Barkas, Geol. Mag. 1874, 2nd ser. i. p. 558; Clarke, Remarks Sed. Forms, N. S. Wales, 3rd ed. 1875, pp. 31, 37; Mackenzie, Mines and Min. Stats. N. S. Wales, 1875, p. 216.	B. Coal-pit, Newcastle, N. S. Wales.

Class—Reptilia. Section—Enaliosauria.

Genus *Ichthyosaurus*, *Koenig*, 1820? (Icon. Foss. Sectiles, t. 19, f. 250.)¹
Ichthyopterygia.

<i>I. Australis</i> , <i>M'Coy</i> .	Cretaceous?	*Trans. R. Soc. Vict. 1868, viii. p. 42; Annals Nat. Hist. 1867, xix. p. 355; <i>ibid. id. xx.</i> p. 196; Moore, Quart. Jour. Geol. Soc. 1870, xxvi. p. 228; <i>M'Coy</i> , Trans. R. Soc. Vict. 1869, ix. pt. 2, p. 77.	Head of Flinders River, Qu.
Genus <i>Plesiosaurus</i> , <i>Conybeare</i> , 1821. (Trans. Geol. Soc. v. pt. 2, pp. 560 and 581.) <i>Sauropterygia</i> .			
<i>P. macrospordylus</i> , <i>M'Coy</i> .	Cretaceous?	Annals Nat. Hist. 1867, xix. p. 356; *Trans. R. Soc. Vict. 1868, viii. p. 42; Annals Nat. Hist. xx. p. 196.	Head of Flinders River, Qu.
<i>P. Sutherlandi</i> , <i>M'Coy</i> .	Cretaceous?	*Trans. R. Soc. Vict. 1868, viii. p. 42; Annals Nat. Hist. 1867, xix. p. 356; <i>ibid. id. xx.</i> p. 196.	Head of Flinders River, Qu.

Fish. With the Wollumbilla fossils, numerous fragments of fish teeth and scales occur, which are considered by Mr Moore to belong probably to the genera *Hybodus* and *Lepidotus* (Quart. Jour. Geol. Soc. xxvi. p. 238). In Mr Daintree's Cretaceous Collection, Mr Etheridge observed the remains of an *Aspidorhynchus* from Hughenden (*ibid. xxviii.* p. 346).

¹ Not described by Koenig in this fragmentary work. It was described and figured, but not named by Home in the *Phil. Trans.* (1814, pp. 571—76, pl. 16).

TERTIARY.



(Plants.)	(Tertiary.)		
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Kingdom</i> —Plantæ. <i>Section</i> —Phanerogamia. <i>Class</i> —Dicotyledones.			
Genus <i>Acrocoila</i> , <i>F. v. Mueller</i> , 1877. (Ann. Report Dep. Mines, N. S. Wales, for 1876, p. 179.)— <i>Calycifloræ</i> .			
<i>A. anodonta</i> , <i>F. v.</i>	Older G. D. = (M. Plio- cene?).	*loc. cit. p. 180.	Gulgong, N. S. Wales.
Genus <i>Banksia</i> , <i>Linnæus</i> (fil.), 1781 (Suppl. p. 15; R. Brown, Trans. Linn. Soc. x. p. 202), non Forster, 1776.— <i>Proteaceæ</i> .			
<i>B. sp. ind.</i>	Older G. D. = (M. Plio- cene?).	Redaway, Quart. Jour. Geol. Soc. 1858, xiv. p. 541; Murchison, Siluria, 4th ed. 1867, p. 462; Smyth, Progress Report, 1874, I. p. 30; <i>ibid.</i> 1875, II. 28; <i>id.</i> 1876, III. p. 48.	Creswick; Chiltern, Vict.
Genus <i>Celyphina</i> , <i>F. v. Mueller</i> , 1871. (Repts. Mining Surveyors, Regist. Vict. Sept. 1871, App. p. 40; Obs. New Veg. Fossils, 1874, p. 17.)— <i>Proteaceæ</i> .			
<i>C. Maceoyi</i> , <i>F. v.</i>	Older G. D. = (M. Plio- cene?).	*l. c. p. 40, t. 5, figs. 1—7; *Obs. New Veg. Foss. Vict. 1874, p. 17, t. 5, figs. 1—7.	Haddon; Tangil R. Vict.
Genus <i>Cinnamomum</i> , <i>J. Burman</i> , 1787. (Thes. Zeyl. p. 62, t. 27.)— <i>Lauraceæ</i> .			
<i>C. polymorphoides</i> , <i>M' Coy</i> .	M. Ter. (Mio- cene?).	Smyth's Progress Report, 1874, p. 35; <i>ibid.</i> II. 1875, p. 24; Couchman's <i>id.</i> 1877, IV. p. 17; *Geol. Survey, Vict. 1876, Dec. IV. p. 31, t. 40, f. 1—3.	Maddingly; Bac- chus Marsh, Vict.
Genus <i>Conchotheca</i> , <i>F. v. Mueller</i> , 1873. (Repts. Mining Surveyors, Regist. Vict. Sept. 1873, App. p. 41; Obs. New Veg. Fossils, 1874, p. 19.)— <i>Proteaceæ</i> ?			
<i>C. rotundata</i> , <i>F. v.</i>	Older G. D. = (M. Plio- cene?).	*l. c. p. 41, t. 6, figs. 9—11; Smyth's Progress Report, 1874, p. 37; *Obs. New Veg. Foss. p. 19, t. 6, figs. 9—11.	Nintingbool, near Haddon, Vict.
<i>C. turgida</i> , <i>F. v.</i>	Older G. D. = (M. Plio- cene?).	*Repts. Mining Surveyors, Regist. Vict. Sept. 1874, App. p. 42, t. 10, figs. 5—12; *Obs. New Veg. Foss. 1874, p. 24, t. 10, figs. 5—12; Smyth's Progress Report, 1876, III. p. 80.	Nintingbool, near Haddon; River Tangil, Vict. Darling Downs, Qu.
Genus <i>Daphnogena</i> , <i>Unger</i> , 1845. (Synop. Plant. Foss. p. 227.)— <i>Thymelæaceæ</i> .			
<i>D. sp. ind.</i>	U. Ter. ? (Bac- chus Marsh beds).	Smyth, Mineral Statistics, Exhib. Essays, 1872, p. 15, note; Progress Report, 1875, II. p. 24.	Bacchus Marsh, Vict.

(Plants.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Dieune</i> , <i>F. v. Mueller</i> , 1874. (Repts. Mining Surveyors, Regist. Vict. Sept. 1874, App. p. 41; Obs. New Veg. Fossils, p. 22.)— <i>Capparidaceæ</i> or <i>Pittosporaceæ</i> ?			
<i>D. pluriovulata</i> , <i>F. v. Mueller</i> .	Older G. D. = (M. Plio- cene?).	* <i>l. c.</i> p. 41, t. 9, figs. 1—4; * <i>Obs.</i> New Veg. Foss. 1874, p. 22, t. 9, figs. 1—4.	Haddon, <i>Vict.</i>
Genus <i>Eisothecaryon</i> , <i>F. v. Mueller</i> , 1877. (Ann. Report Dep. Mines, N. S. Wales, for 1876, p. 178.) ?= <i>Villaresia</i> .— <i>Oliacineæ</i> ?			
<i>E. semiseptatum</i> , <i>F. v. Mueller</i> .	Older G. D. = (M. Plio- cene?).	* <i>loc. cit.</i> p. 178.	Gulgong, N. S. Wales.
Genus <i>Eucalyptus</i> , <i>l'Heritier</i> , 1788. (<i>Sertum Anglicum</i> , p. 18.)— <i>Myrtaceæ</i> .			
<i>E. obliqua</i> , <i>l'Heriti-</i> <i>er.</i>	Older G. D. = (M. Plio- cene?).	* <i>loc. cit.</i> p. 18, t. 20; <i>M'Coy, Smyth's</i> Progress Report, 1874, i. p. 36; <i>Smyth, ibid.</i> p. 30; <i>id. ibid.</i> 1876, iii. p. 48.	? <i>Malmsbury</i> and <i>Daylesford, Vict.</i>
<i>E. Pluti</i> , <i>M'Coy</i> .	Older G. D. = (M. Plio- cene?).	* <i>Geol. Survey, Vict. 1876, Dec. iv.</i> p. 29, t. 39; <i>Couchman's Progress Report, 1877</i> , iv. p. 17.	<i>Daylesford, Vict.</i>
Genus <i>Illicites</i> , <i>F. v. Mueller</i> , 1877. (Ann. Report Dep. Mines N. S. Wales, for 1876, p. 178.) ?= <i>Illicium</i> .— <i>Magnoliaceæ</i> ?			
<i>I. astrocarpa</i> , <i>F. v.</i> <i>Mueller</i> .	Older G. D. = (M. Plio- cene?).	* <i>loc. cit.</i> p. 179.	Gulgong, N. S. Wales.
Genus <i>Laurus</i> , <i>Tournefort</i> , 1700. (<i>Inst. rei Herbariae</i> , ed. alt. i. p. 597.)— <i>Lauraceæ</i> .			
<i>L. sp. ind.</i>	U. Ter.?(<i>Bac-</i> <i>chus Marsh</i> <i>beds</i>).	<i>Smyth, Mineral Statistics, Exhib.</i> Essay, 1872, p. 15 note; <i>Pro-</i> <i>gress Report, 1875</i> , ii. p. 24.	<i>Bacchus Marsh,</i> <i>Vict.</i>
<i>L. Werribeensis</i> , <i>M'Coy</i> .	M. Ter. (<i>Mio-</i> <i>cene</i> ?).	* <i>Geol. Survey, Vict. 1876, iv. p. 32</i> , t. 40, f. 4; <i>Couchman's Pro-</i> <i>gress Report, 1877</i> , iv. p. 17.	<i>Werribee R. Vict.</i>
Genus <i>Liversidgea</i> , <i>F. v. Mueller</i> , 1877. (<i>Jour. R. Soc. N. S. Wales</i> , x. p. 239.)			
<i>L. oxyspora</i> , <i>F. v.</i> <i>Mueller</i> .		* <i>loc. cit.</i> p. 239, plate, f. 1—5.	<i>Richmond River,</i> <i>N. S. Wales.</i>
Genus <i>Ochthodocaryon</i> , <i>F. v. Mueller</i> , 1877. (Ann. Report Dep. Mines, N. S. Wales, for 1876, p. 178.)— <i>Capparidaceæ</i> ?			
<i>O. Wilkinsonii</i> , <i>F. v. Mueller</i> .	Older G. D. = (M. Plio- cene?).	* <i>loc. cit.</i> p. 179.	Gulgong, N. S. Wales.

(Plantæ.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Odontocaryon , <i>F. v. Mueller</i> , 1873. (Repts. Mining Surveyors, Regist. Vict. Sept. 1873, App. p. 41; Obs. New Veg. Fossils, 1874, p. 18.)			
O. <i>Macgregorii</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	*loc. cit. p. 41, t. 6, figs. 5—8; Smyth's Progress Report, 1874, p. 37; *Obs. New Veg. Foss. 1874, p. 18, t. 6, figs. 5—8.	Nintingbool, near Haddon, Vict.
Genus Pentacoila , <i>F. v. Mueller</i> , 1877. (Ann. Report Dep. Mines, N. S. Wales, for 1876, p. 179.)— <i>Sapindaceæ</i> .			
P. <i>Gulgongensis</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	*loc. cit. p. 179.	Gulgong, N. S. Wales.
Genus Penteune , <i>F. v. Mueller</i> , 1874. (Repts. Mining Surveyors, Regist. Vict. Dec. 1873, App. p. 41; Obs. New Veg. Fossils, 1874, p. 20.)— <i>Sapindaceæ</i> .			
P. <i>brachyclinis</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	*l. c. p. 41, t. 8, figs. 1—9; *Obs. New Veg. Foss. 1874, p. 21, t. 8, f. 1—9.	Smythe's Creek, Vict.
P. <i>Clarkei</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	*l. c. p. 41, t. 7, figs. 1—10; *Obs. New Veg. Foss. 1874, pp. 21 and 27, t. 7, f. 1—10; Wilkinson, Mines and Mining Stats. N. S. Wales, 1875, p. 125.	Smythe's Creek; Eldorado Mines, Beechworth, Vict.
P. <i>trachyclinis</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	*l. c. p. 41, t. 8, figs. 10—17; *Obs. New Veg. Foss. 1874, p. 22, t. 8, figs. 10—17.	Orange, N. S. Wales.
Genus Phymatocaryon , <i>F. v. Mueller</i> , 1871. (Repts. Mining Surveyors, Regist. Vict. June, App. B. p. 47; Obs. New Veg. Fossils, 1874, p. 10.)— <i>Sapindaceæ?</i>			
P. <i>angulare</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	*l. c. Sept. 1874, App. p. 41, t. 10, figs. 1—4; *Obs. New Veg. Foss. 1874, p. 28, t. 10, figs. 1—4.	Smythe's Creek, Vict.
P. <i>bivalve</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	*Ann. Report Dep. Mines, N. S. Wales, (for 1876) 1877, p. 180.	Gulgong, N. S. Wales.
P. <i>Mackayi</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	*Repts. Mining Surveyors, Regist. Vict. June, 1871, App. B. p. 47, t. 2, f. 1—15; Smyth's Progress Report, 1874, p. 37; *Obs. New Veg. Foss. 1874, pp. 11 and 27, t. 2.	Haddon; Tangil R.; Eldorado Mines, Beechworth, Vict.
Genus Platycoila , <i>F. v. Mueller</i> , 1874. (Repts. Mining Surveyors, Regist. Sept. 1874, App. p. 41; Obs. New Veg. Fossils, p. 23.)			
P. <i>Sullivani</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	*l. c. p. 41, t. 9, figs. 5—9; *Obs. New Veg. Foss. 1874, p. 23, t. 9, figs. 5—9.	Nintingbool, near Haddon, Vict.

(Planteæ.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Pleiacron, <i>F. v. Mueller</i>, 1877. (Ann. Report Dep. Mines, N. S. Wales, for 1876, p. 179.)			
<i>P. elachocarpum, F. v. Mueller.</i>	Older G. D. (= M. Pliocene?).	*loc. cit. p. 179.	Gulgong, N. S. Wales.
Genus Plesiocapparis, <i>F. v. Mueller</i>, 1871. (Repts. Mining Surveyors, Regist. Sept. 1871, App. p. 40; Obs. New Veg. Fossils, 1874, p. 16.)—<i>Capparidaceæ</i>?			
<i>P. leptocelyphis, F. v. Mueller.</i>	Older G. D. (= M. Pliocene?).	*Ann. Report Dep. Mines, N. S. Wales, (for 1876) 1877, p. 180.	Gulgong, N. S. Wales.
<i>P. prisca, F. v. Mueller.</i>	Older G. D. (= M. Pliocene?).	*Reports Mining Surveyors, Regist. Sept. 1871, App. p. 40, t. 4, figs. 9—11; Smyth's Progress Report, 1874, p. 37; *Obs. New Veg. Foss. 1874, p. 16, t. 4, figs. 9—11.	Haddon, Vict.
Genus Rhytidocaryon, <i>F. v. Mueller</i>, 1875. (Ann. Report Dept. Mines, N. S. Wales, for 1875!; Repts. Mining Surveyors and Regists. Vict. Sept. 1876, p. 89.)—<i>Menispermaceæ</i>.			
<i>R. Wilkinsonii, F. v. Mueller.</i>	Older G. D. (= M. Pliocene?).	Clarke, Remarks Sed. Forms N. S. Wales, 3rd ed. 1875, p. 49; Wilkinson, "Mines and Mining Stats. N. S. Wales, 1875, p. 124; v. Mueller, Repts. Mining Surveyors, Sept. 1876, p. 89, t. 12.	W. of Bathurst; Lumpy Swamp, near Orange and Carcoar, N. S. Wales.
Genus Rhytidotheca, <i>F. v. Mueller</i>, 1871. (Repts. Mining Surveyors and Regists. Vict. Sept. 1871, App. p. 89; Obs. New Veg. Fossils, 1874, p. 14.)			
<i>R. Lynchii, F. v. Mueller.</i>	Older G. D. (= M. Pliocene?).	*l. c. p. 89, t. 4, figs. 1—8; Smyth's Progress Report, 1874, p. 37; *Obs. New Veg. Foss. Vict. 1874, p. 15, t. 4, figs. 1—8.	Nintingbool, near Haddon, Vict.
<i>R. pleioclinis, F. v. Mueller.</i>	Older G. D. (= M. Pliocene?).	*Repts. Mining Surveyors and Regists. Vict. Sept. 1873, App. p. 42, t. 6, figs. 1—4; *Obs. New Veg. Foss. Vict. 1874, p. 19, t. 6, figs. 1—4.	Nintingbool, near Haddon, Vict.
Genus Spondylostrobus, <i>F. v. Mueller</i>, 1870. (Geol. Mag. vii. p. 390; Reports Mining Surveyors and Regists. March 1871, App. B. p. 48; Obs. New Veg. Fossils, 1874, p. 8.)—<i>Coniferae</i>.			
<i>S. Smythii, F. v. Mueller.</i>	Older G. D. (= M. Pliocene?).	Geol. Mag. 1870, vii. p. 390; Quart. Jour. Geol. Soc. 1870, xxvi. p. 610; *Repts. Mining Surveyors and Regists. Vict. March, 1871, App. B. p. 48, t. 1; Smyth's Progress Rept. 1874, p. 37; *Obs. New Veg. Foss. Vict. 1874, pp. 8 and 27, t. 1; Wilkinson, Mines and Mining Stat. N. S. Wales, 1875, p. 125; var. <i>cryptaxis</i> , v. Mueller, *Ann. Report, Dep. Mines, N. S. Wales, (for 1876) 1877, p. 180.	Haddon; R. Tangil; Eldorado, near Beechworth, Vict. Orange, N. S. Wales.

(Plants—Rhizopoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Trematocaryon</i> , <i>F. v. Mueller</i> , 1871. (Repts. Mining Surveyors and Regists. Vict. June, 1871, App. B. p. 48; Obs. New Veg. Fossils, 1874, p. 12.)— <i>Verbenaceæ</i> .			
<i>T. Maclellani</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	* <i>l. c.</i> p. 48, t. 8, figs. 1—17; Smyth's Progress Report, 1874, p. 37; *Obs. New Foss. Veg. Vict. 1874, p. 18, t. 8.	Nintingbool; El-dorado Mines, Beechworth, Vict.
Genus <i>Wilkinsonia</i> , <i>F. v. Mueller</i> , 1877. (Reports Mining Surveyors and Regists. Sept. 1877, p. 37.)			
<i>W. bilaminata</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	<i>loc. cit.</i> p. 37, t. 12.	Bencree, Gulgong, N. S. Wales.
Genus <i>Xylocaryon</i> , <i>F. v. Mueller</i> , 1875. (Repts. Mining Surveyors and Regists. Vict. June, 1875, App. p. 41.)			
<i>X. Lockii</i> , <i>F. v. Mueller</i> .	Older G. D. (=M. Pliocene?).	* <i>l. c.</i> p. 41, t. 11; Smyth's *Progress Report, 1876, iii. p. 77.	Nintingbool, Vict.

*Kingdom—Animalia. Sub-kingdom—Protozoa. Class—Rhizopoda.
Order—Foraminifera.*

Genus *Amphistegina*, *d'Orbigny*, 1826. (Ann. Sc. Nat. vii. p. 304.)
Perforata-Nummulinidae.

<i>A. vulgaris</i> , <i>d'Orb.</i>	<i>HAMILTON</i> Series; Mt. Gambier Se- ries (L. or M. Ter.?).	<i>loc. cit.</i> p. 305; Parker, Jones, and Brady, "Annals Nat. Hist." 1865, xvi. pp. 25, 36, t. 8, f. 91; Woods, Quart. Jour. Geol. Soc. 1865, xxi. p. 391.	Muddy Cl. Vict. Mount Gambier, S. Australia? (fide Jones).
Genus <i>Biloculina</i> , <i>d'Orbigny</i> , 1826. (Ann. Sc. Nat. vii. p. 297; Jones, Parker, and Brady, Mon. Foram. Crag. 1866, pt. 1, p. 4.)— <i>Imperforata-Miliolida</i> .			
<i>B. contraria</i> , <i>d'Orb.</i>	<i>M. TER.</i> (Mio- cene?).	*Foram. Foss. Vien. 1846, p. 266, t. 16, f. 4—6; H. B. Brady, "Linn. Trans." 1864, xxiv. pp. 466 and 472, t. 48, f. 2; Etheridge, jun. Geol. Mag. Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
<i>B. depressa</i> , <i>d'Orb.</i>	<i>M. TER.</i> (Mio- cene?).	Ann. Sci. Nat. 1826, vii. p. 298; <i>Miliola</i> (<i>Biloculina</i>), Parker and Jones, "Phil. Trans." 1865, clv. p. 409, t. 17, f. 88 <i>a</i> and <i>b</i> ; Jones, Parker, and Brady, "Mon. Foram. Crag." 1866, pt. 1, p. 6, t. 3, f. 29 and 30; <i>Biloculina</i> , Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
<i>B. elongata</i> , <i>d'Orb.</i>	<i>M. TER.</i> (Mio- cene?).	Ann. Sci. Nat. 1826, vii. p. 298; <i>Miliola</i> (<i>Biloculina</i>), Parker and Jones, "Phil. Trans." 1865, clv. p. 409, t. 17, f. 88, 90, and 91; <i>Biloculina</i> , Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.

(Rhizopoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
B. ringens, Lamarck.	M. Ter. (Mio- cene?).	<i>Miliolites</i> , *Ann. Museum, 1804, v. p. 351; <i>Biloculina</i> , Parker and Jones, *Annals Nat. Hist. 1857, xix. p. 298, t. 10, f. 28—33; <i>Miliola</i> (<i>Biloculina</i>), Parker and Jones, *Phil. Trans. 1865, clv. p. 409, t. 15, f. 42—44; <i>Biloculina</i> , Jones, Parker and Brady, *Mon. Foram. Crag. 1866, pt. 1, p. 5, t. 3, f. 26—28; <i>id.</i> Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
Genus <i>Cassidulina</i> , d'Orbigny, 1826. (Ann. Sc. Nat. vii. p. 282.) <i>Perforata-Globigerinida</i> .			
C. oblonga, Reuss.	Mt. Gambier Series; Table Cape Series (L. or M. Ter.?).	*Denksch. K. Akad. Wissensch. Wien, i. 1850, p. 376, t. 48, f. 5 and 6; Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Austr. 1862, p. 71; <i>id.</i> Proc. R. Soc. Tas. (for 1875), 1876, p. 18.	Mount Gambier, S. Australia. Table Cape, Tas.
Genus <i>Cornuspira</i> , Schultze, 1854. (Organismus Polythal. p. 40; Parker and Jones, Mon. Foram. Crag. 1866, pt. 1, p. 1.)— <i>Imperforata-Miliolida</i> .			
C. foliacea, Philippi.	M. Ter. (Mio- cene?).	<i>Orbis</i> , *Enum. Moll. Sicilia, 1844, ii. p. 147, t. 24, f. 26; <i>Cornuspira</i> , H. B. Brady, Linn. Trans. 1864, xxiv. p. 472; <i>id.</i> Jones, Parker, and Brady, *Mon. Foram. Crag. 1866, pt. 1, p. 2, t. 3, f. 50 and 51; <i>id.</i> Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
C. involvens, Reuss.	M. Ter. (Mio- cene?).	<i>Operculina</i> , *Denksch. K. Akad. Wissensch. Wien, 1850, i. p. 370, t. 46, f. 30; <i>Cornuspira</i> , *Sitz. K. Akad. Wissensch. Wien, 1863, xlvi. 1 Abth. p. 39, t. 1, f. 2; <i>id.</i> Jones, Parker, and Brady, *Mon. Foram. Crag. 1866, pt. 1, p. 3, t. 3, f. 52—54; <i>id.</i> Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
Genus <i>Cristellaria</i> , Lamarck, 1812. (Cours de Zoologie! Hist. Nat. Anim. s. Vertèb. 1822, vii. p. 607; Parker, Jones, and Brady, Mon. Foram. Crag. 1866, pt. 1, p. 72.) <i>Perforata-Lagenida</i> .			
C. rotulata, Lamarck.	M. Ter. (Mio- cene?).	<i>Lenticulites</i> , *Ann. du Museum, v. p. 188; <i>id. ibid.</i> viii. t. 62, f. 11; <i>Cristellaria</i> , d'Orb. *Mém. Soc.	Murray Flats, S. Australia.

(Rhizopoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		Géol. de France, 1840, iv. p. 26, t. 2, f. 15—18; <i>id.</i> Parker and Jones, <i>*Phil. Trans.</i> 1865, clv. p. 345, t. 13, f. 19.	
Genus <i>Discorbina</i> , Parker and Jones, 1862. (Carpenter's Introduction Foram. p. 203.) <i>Perforata-Globigerinidae</i> .			
D. Bertheloti, <i>d'Orb.</i>	Mt. Gambier Series; Table Cape Series (L. or M. Ter.?).	<i>Rosalina</i> , *Foram. Canaries, 1839, p. 135, t. 1, figs. 28—30; <i>id.</i> Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; <i>id.</i> Woods, Geol. Obs. S. Austr. 1862, p. 71; <i>Discorbina</i> , Parker and Jones, <i>Phil. Trans.</i> 1865, clv. p. 385; <i>Rosalina</i> , Woods, Proc. R. Soc. Tas. (for 1875) 1876, p. 18.	Mount Gambier, S. Australia. Table Cape, Tas.
D. turbo, <i>d'Orbigny</i> .	Hamilton Series (L. or M. Ter.?).	<i>Rotalia</i> , Ann. Sc. Nat. 1826, vii. p. 274; <i>Discorbina</i> , Parker and Jones, <i>*Phil. Trans.</i> 1865, clv. p. 384, t. 14, f. 18—23, t. 16, figs. 26—28; Parker, Jones, and Brady, Annals Nat. Hist. 1865, xvi. p. 36; Woods, Quart. Jour. Geol. Soc. 1860, xxi. p. 391.	Muddy Ch. Vict.
Genus <i>Glandulina</i> , <i>d'Orbigny</i> , 1826. (Ann. Sci. Nat. vii. p. 251; Jones, Parker, and Brady, Mon. Foram. Crag. 1866, pt. 1, p. 47.)— <i>Perforata, Lagenida</i> .			
G. levigata, <i>d'Orb.</i>	M. Ter. (Miocene?).	<i>Nodosaria</i> , *loc. cit. p. 252, t. 10, f. 1—3; <i>Glandulina</i> , *Foram. Foss. Vien. 1846, p. 29, t. 1, f. 4 and 5; <i>Nodosaria</i> , Parker and Jones, *Annals Nat. Hist. 1857, xix. p. 280, t. 10, f. 6—9; <i>N. (Glandulina)</i> , <i>id.</i> *Phil. Trans. 1865, clv. p. 340, t. 13, f. 1; <i>Glandulina</i> , Jones, Parker, and Brady, *Mon. Foram. Crag. 1866, pt. 1, p. 47, t. 1, f. 1 and 2; <i>id.</i> Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
Genus <i>Globigerina</i> , <i>d'Orbigny</i> , 1826. (Ann. Sc. Nat. vii. p. 277.) <i>Perforata-Globigerinidae</i> .			
G. bulloides, <i>d'Orb.</i>	Mt. Gambier Series (L. or M. Ter.?).	loc. cit. p. 277; *Foram. Foss. Vien. 1846, p. 163, t. 9, figs. 4—6; Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Austr. 1862, pp. 71 and 72; Parker, Jones, and Brady, *Annals Nat. Hist. 1865, xvi. pp. 21, 31, 36, t. 2, figs. 55, 56; <i>id.</i> *ibid. 1871, viii. p. 175, t. 11, f. 112.	Mount Gambier, S. Australia.

(Rhizopoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Hauerina, <i>d'Orbigny</i>, 1839. (Foram. de Cuba!; Foram. Foss. Vien. 1846, p. 118.) <i>Imperforata-Miliolida.</i>			
<i>H. compressa, d'Orb.</i>	M. Ter. (Mio- cene?).	*Foram. Foss. Vien. 1846, p. 119, t. 5, f. 25—27; Etheridge, jun. Geol. Mag. 1876, Dec. 2, III. p. 335.	Murray Flats, S. Australia.
Genus Lituola, <i>Lamarck</i>, 1804. (Ann. Museum, v. p. 242.)—<i>Imperforata-Lituolida.</i>			
<i>L. Soldanii, Jones and Parker.</i>		*Quart. Jour. Geol. Soc. 1860, xvi. p. 307.	Geelong, Vict. (fide Jones).
Genus Nummulina, <i>d'Orbigny</i>, 1826. (Ann. Sc. Nat. vii. p. 295. Brady, Mon. Carb. Permian Foram. 1876, p. 147.)—<i>Perforata-Nummulinida.</i>			
<i>N. Raymondi, Defr.</i> ?	Ha milton beds (L. or M. Ter.?).	<i>Nummulites</i> , Dict. Sc. Nat. 1825, xxxv. p. 226; <i>d'Archiac et Haime</i> , *Anim. Foss. de l'Inde, 1853, p. 128, t. 7, figs. 13—17.	Muddy Ch. Vict. (fide Jones).
Genus Operculina, <i>d'Orbigny</i>, 1826. (Ann. Sc. Nat. vii. p. 281.)—<i>Perforata- Nummulinida.</i>			
<i>O. Arabica, Carter.</i>	Mt. Gambier Series.	*Annals Nat. Hist. 1852, x. p. 161, t. 4; Woods, Geol. Obs. S. Austr. 1862, p. 72.	Mount Gambier, S. Australia.
<i>O. complanata, Defr.</i>	Ha milton Series; Mt. Gambier Se- ries (L. or M. Ter.?).	<i>Lenticulites</i> , *Dict. Sc. Nat. 1822, p. 458; <i>Operculina</i> , <i>d'Orb. Ann. Sc. Nat.</i> 1826, vii. p. 281; Parker and Jones, Annals Nat. Hist. 1861, viii. p. 229; <i>id.</i> <i>ibid.</i> 1863, xii. pp. 435, 440; Parker, Jones, and Brady, <i>ibid.</i> 1865, xvi. pp. 32, 36, t. 3, f. 99; Woods, Quart. Jour. Geol. Soc. 1865, xxi. p. 391.	Muddy Ch. Vict. Mount Gambier, S. Australia? (fide Jones).
Genus Orbitolites, <i>Lamarck</i>, 1801. (Système Anim. s. Vertèb. p. 876; Parker, Jones, and Brady, Mon. Foram. Crag. 1866, pt. 1, p. 22.)—<i>Imperforata-Miliolida.</i>			
<i>O. complanatus, Lamarck.</i>	M. Ter. (Mio- cene?).	*loc. cit. p. 376; Etheridge, jun. Geol. Mag. 1876, Dec. 2, III. p. 335.	Murray Flats, S. Australia.
Genus Orbulina, <i>d'Orbigny</i>, 1839. (Foram. de Cuba, p. 8.)—<i>Perforata-Globigerinida.</i>			
<i>O. universa, d'Orb.</i>	Mt. Gambier Series (L. or M. Ter.?)	*L. c. p. 8, t. 1, f. 1; *Foram. Cana- ries, 1839, p. 122, t. 1, f. 1; Parker, Jones, and Brady, An- nals Nat. Hist. 1871, viii. p. 260.	Mount Gambier, S. Australia? (fide Jones).

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(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Planorbulina</i> , <i>d'Orbigny</i> , 1826 (see p. 108).— <i>Perforata-Globigerinida.</i>			
<i>P. Haidingerii</i> , <i>d'Orb.</i>	H a m i l t o n Series; Mt. Gambier Se- ries (L. or M. Ter.?).	<i>Rotalia</i> , *Foram. Foss. Vien. 1846, p. 154, t. 8, figs. 8 and 9; <i>Rotalia</i> , Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; <i>id.</i> Woods, Geol. Obs. S. Austr. 1862, p. 71; <i>Pl. farcta</i> , var. <i>Haidingerii</i> , Parker and Jones, *Phil. Trans. 1865, clv. p. 382, t. 16, f. 22; <i>Planorbulina Haid- ingerii</i> , Woods, Quart. Jour. Geol. Soc. 1865, xxi. p. 391; <i>id.</i> Jones and Parker, Quart. Jour. Geol. Soc. 1872, xxviii. pp. 109, 110, table, <i>et seq.</i>	Muddy Cr. Vict. Mount Gambier, S. Australia.
<i>P. lobatula</i> , <i>d'Orb.</i>	M. Ter. (Mio- cene?).	See p. 103, <i>Truncatulina</i> , Parker and Jones, *Annals Nat. Hist. 1857, xix. p. 293, t. 10, f. 17—21; <i>id.</i> Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
<i>P. reticulata</i> , <i>Czjzck.</i>	Mt. Gambier Series (L. or M. Ter.?).	<i>Rotalina</i> , *Haid. Nat. Abhandl. 1848, II. p. 145, t. 13, figs. 7—9; <i>Rotalia</i> , Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; <i>id.</i> Woods, Geol. Obs. S. Austr. 1862, p. 71; <i>Planorbulina</i> , Parker and Jones, l. c. 1872, xxviii. p. 112; Ethe- ridge, jun. Geol. Mag. Dec. 2, iii. p. 335.	Mount Gambier, S. Australia.
<i>P. rotula</i> , <i>d'Orb.</i>	Mt. Gambier Series (L. or M. Ter.?).	<i>Anomalina</i> , *Foram. Foss. Vien. 1846, p. 172, t. 10, f. 10—12; <i>Rotalia</i> , Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; <i>id.</i> Woods, Geol. Obs. S. Austr. 1862, p. 71; <i>Pl.</i> <i>tuberosa</i> , var. <i>rotula</i> , Jones and Parker, l. c. 1872, xxviii. pp. 109, table, <i>et seq.</i>	Mount Gambier, S. Australia.
<i>P. Ungeriana</i> , <i>d'Orb.</i>	Mt. Gambier Series (L. or M. Ter.?).	Vide p. 104; <i>Rotalia</i> , Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Austr. 1862, p. 71; <i>Planorbulina</i> , Jones and Parker, Quart. Jour. Geol. Soc. 1872, xxviii. pp. 109, table, <i>et seq.</i> ; <i>id.</i> Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Mount Gambier, S. Australia.

Genus *Planularia*, *Defrance*, 1826. (Dict. Sc. Nat. xlii. p. 244).—*Perforata-Lagenida.*

<i>P. crepidula</i> , <i>Fichtel</i> and <i>Moll.</i>	Mt. Gambier Series (L. or M. Ter.?).	<i>Nautilus</i> , *Testacea Minut. 1803, p. 107, t. 19, fig. f.—i.	Mount Gambier, S. Australia (fide Jones).
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(Rhizopoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Polymorphina</i> , <i>d'Orbigny</i> , 1826 (see p. 104).— <i>Perforata-Lagenida.</i>			
<i>P. lactea</i> , <i>Walker and Jacob.</i>	Mt. Gambier Series (L. or M. Ter.?).	Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Austr. 1862, p. 71; <i>id.</i> Quart. Jour. Geol. Soc. 1865, xxi. p. 391 (see p. 104).	Muddy Ck. Vict. Mount Gambier, S. Australia.
Genus <i>Polystomella</i> , <i>Lamarck</i> , 1822. (Hist. Nat. Anim. & Vertèb. vii. p. 624.) <i>Perforata-Nummulinida.</i>			
<i>P. craticulata</i> , <i>Fichtel and Moll.</i>	M. Ter. (Mio- cene?).	<i>Nautilus</i> , *Testacea Minut. 1803, p. 51, t. 5, fig. <i>h</i> , <i>i</i> , and <i>k</i> ; Parker and Jones, Phil. Trans. 1865, clv. p. 400; Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
<i>P. macella</i> , <i>Fichtel and Moll.</i>	M. Ter. (Mio- cene?).	<i>Nautilus</i> , *Testacea Minut. 1803, p. 107, t. 19, fig. <i>f</i> , <i>g</i> ; Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
Genus <i>Pulvinulina</i> , <i>Parker and Jones</i> , 1862. (Carpenter's Introd. Foram. p. 210.) <i>Perforata-Globigerinida.</i>			
<i>P. pulchella</i> , <i>d'Orb.</i>	Hamilton Series; Mt. Gambier Series (=L. or M. Ter.?).	<i>Rotalia</i> , Ann. Sc. Nat. 1826, vii. p. 274; <i>Pulvinulina</i> , Parker, Jones, and Brady, Annals Nat. Hist. 1865, xvi. p. 80; <i>id.</i> Woods, Quart. Jour. Geol. Soc. 1865, xxi. p. 391.	Muddy Ck. Vict. Mount Gambier, S. Australia (fide Jones).
<i>P. repanda</i> , var. <i>elegans</i> , <i>d'Orbigny</i> .	M. Ter. (Mio- cene?).	<i>P. elegans</i> , <i>d'Orb.</i> Ann. Sci. Nat. 1826, vii. p. 276; <i>P. repanda</i> , var. <i>elegans</i> , Parker and Jones *Phil. Trans. 1865, clv. p. 397, t. 16, f. 44—46; Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
Genus <i>Quinqueloculina</i> , <i>d'Orbigny</i> , 1826. (Ann. Sc. Nat. 1826, viii. p. 801; Jones, Parker, and Brady, Mon. Foram. Crag. 1866, pt. 1, p. 9.) <i>Imperforata-Miliolida.</i>			
<i>Q. agglutinans</i> , <i>d'Orb.</i>	M. Ter. (Mio- cene?).	*Foram. de Cuba, 1839, p. 195, t. 12, f. 11—18; <i>Miliola</i> (<i>Quinqueloculina</i>), Parker and Jones, *Phil. Trans. 1865, clv. p. 410, t. 15, f. 37 <i>a</i> and <i>b</i> ; <i>Quinqueloculina</i> , Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
<i>Q. secans</i> , <i>d'Orb.</i>	M. Ter. (Mio- cene?).	Ann. Sc. Nat. 1826, vii. p. 308; Parker, Jones, and Brady, Annals Nat. Hist. 1865, xvi. p. 34, t. 1, f. 10; Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.

(Rhizopoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Q. seminulum, Linn.	H a m i l t o n Series ; Mt. Gambier Series (L. or M. Ter.?), &c.	*Syst. Nat. 12th ed. p. 1264, no. 791; <i>Quinqueloculina</i> , d'Orb. Ann. Sc. Nat. 1826, vii. p. 303 ; <i>Miliola</i> (<i>Quinqueloculina</i>), Par- ker and Jones, Annals Nat. Hist. 1859, iii. p. 480; <i>Quinquelocu- lina</i> , Parker, Jones, and Brady, <i>ibid.</i> 1871, viii. p. 251, t. 8, f. 10; <i>id.</i> Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Muddy Ch. Vict. Mt. Gambier (fide Jones) ; Murray Flats, S. Austr.
Q. subrotunda, <i>Montagu.</i>	M. Ter. (Mio- cene?).	<i>Vermiculum</i> , Test. Brit. pt. 2, 1803, p. 521; <i>Quinqueloculina</i> , d'Orb. Ann. Sci. Nat. 1826, vii. p. 302; <i>Miliola</i> (<i>Quinque.</i>), Parker and Jones, *Phil. Trans. 1865, clv. p. 411, t. 15, f. 38 a and b; <i>Quinqueloculina</i> , Ether- idge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335; Jones, Parker, and Brady, *Mon. Crag. Foram. 1866, pt. 1, p. 11.	Murray Flats, S. Australia.

Genus *Rosalina*, *d'Orbigny*, 1826. (Ann. d. Sc. Nat. vii. p. 271.) Vide *Discorbina*,
Pulvinulina, &c.

R. Bertheloti, *d'Orb.* | Vide *Discorbina Bertheloti*, *d'Orb.* |

Genus *Rotalia*, *Lamarck*, 1804. (Ann. Museum, v. p. 183.)—*Perforata-Globigerinida*.

R. Beccarii, Linn. var. <i>Soldanii</i> , <i>d'Orb.</i>	M. Ter. (Mio- cene?).	<i>Nautilus Beccarii</i> , Syst. Nat. ed. 12, i. pt. 2, p. 1162; <i>Rotalia</i> , <i>id.</i> Parker and Jones, Annals, 1859, iii. p. 479; var. <i>Soldanii</i> , <i>id.</i> *Phil. Trans. 1865, clv. p. 899, t. 16, f. 31—33; <i>R. Soldanii</i> , Stache, *Pal. N. Seeland, 1865, p. 273, t. 24, f. 23 a—c, f. 24 a—c; <i>id.</i> B. Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
R. Haidingeri, <i>d'Orb.</i>		Vide <i>Planorbulina Haidingeri</i> , <i>d'Orbigny</i> .	
R. reticulata, Cžžek.		Vide <i>Planorbulina reticulata</i> , <i>Cžžek.</i>	
R. rotula, <i>d'Orb.</i>		Vide <i>Planorbulina rotula</i> , <i>d'Orb.</i>	
R. Ungeriana, <i>d'Orb.</i>		Vide <i>Planorbulina Ungeriana</i> , <i>d'Orbigny</i> .	

(Rhizopoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Spiroloculina</i> , <i>d'Orbigny</i> , 1826. (Ann. Sc. Nat. vii. p. 298; Jones, Parker, and Brady, Mon. Foram. Crag. 1866, pt. 1, p. 15.)— <i>Imperforata-Miliolida</i> .			
<i>S. canaliculata</i> , <i>d'Orbigny</i> .	M. Ter. (Mio- cene?).	*Foram. Foss. Vien. 1846, p. 269, t. 16, f. 10—12; Jones, Parker, and Brady, *Mon. Foram. Crag. pt. 1, 1866, p. 16, t. 8, f. 39 and 40; Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.

Genus *Textularia*, *Defrance*, 1824. (Dict. Sc. Nat. xxxii. p. 177.)
Perforata-Globigerinida.

<i>T. agglutinans</i> , <i>d'Orb.</i>	Mt. Gambier Series; Table Cape Series (L. or M. Ter.?).	*Foram. de Cuba, t. 1, figs. 32—34; Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Austr. 1862, p. 71; Parker and Jones, Annals Nat. Hist. 1863, xi. pp. 91, 97; Woods, Proc. R. Soc. Tas. (for 1875) 1876, p. 18.	Mount Gambier, S. Australia. Table Cape, Tas.
<i>T. pygmaea</i> , <i>d'Orb.</i>	Mt. Gambier Series; Table Cape Series (L. or M. Ter.?).	Ann. Sc. Nat. 1826, vii. p. 263; Parker and Jones, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Austr. 1862, p. 71; Parker, Jones, and Brady, Annals Nat. Hist. 1865, xvi. pp. 19, 36, t. 2, f. 59; Woods, Proc. R. Soc. Tas. (for 1875) 1876, p. 18.	Mount Gambier, S. Australia. Table Cape, Tas.
<i>T. sagittula</i> , <i>Defr.</i>	H a m i l t o n Series; Mt. Gambier Series (L. or M. Ter.?).	Dict. Sc. Nat. 1824, xxxii. p. 177; <i>ibid.</i> 1828, lxxii. p. 344, t. 13, f. 5; <i>d'Orb.</i> Ann. Sc. Nat. 1826, vii. p. 263; Parker and Jones, Annals Nat. Hist. 1863, xii. pp. 218, 437; Woods, Quart. Jour. Geol. Soc. 1865, xxii. p. 391; Parker, Jones, and Brady, Annals Nat. Hist. 1871, viii. p. 168, t. 11, f. 114.	Muddy Ck. Vict. Mount Gambier, S. Australia (fide Jones).

Genus *Triloculina* (*Miliola*), *d'Orbigny*, 1826. (Ann. Sc. Nat. vii. p. 299; Jones, Parker, and Brady, Mon. Foram. Crag. 1866, pt. 1, p. 7.)—*Imperforata-Miliolida*.

<i>T. oblonga</i> , <i>Montagu</i> .	M. Ter. (Mio- cene?).	<i>Vermiculum</i> , *Test. Brit. pt. 2, 1803, p. 522, t. 14, f. 9; <i>Triloculina?</i> , Parker and Jones, *Annals Nat. Hist. 1857, xxx. p. 300, t. 10, f. 37; <i>id.</i> Jones, Parker, and Brady, *Mon. Foram. Crag. pt. 1, 1866, p. 7, t. 3, f. 31 and 32; <i>id.</i> Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
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(Rhizopoda—Actinozoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>T. tricarinata</i> , <i>d'Orb.</i>	M. Ter. (Mio- cene?).	Ann. Sc. Nat. 1826, vii. p. 299; Parker and Jones, "Phil. Trans. 1865, clv. p. 409, t. 15, f. 40; Jones, Parker, and Brady, "Mon. Foram. Crag. pt. 1, 1866, p. 7, t. 8, f. 33 and 34; Etheridge, jun. Geol. Mag. 1876, Dec. 2, iii. p. 335.	Murray Flats, S. Australia.
<i>T. trigonula</i> , <i>Lamk.</i>	H a m i l t o n Series; Mt. Gambier Se- ries (L. or M. Ter.?).	<i>Miliolites</i> , "Ann. Museum, 1804, v. p. 351; <i>Triloculina</i> , <i>d'Orb.</i> Ann. Sc. Nat. 1826, vii. p. 299; id. Parker and Jones, Annals Nat. Hist. 1860, v. pp. 287, 289, 470; id. <i>ibid.</i> id. 1863, xi. pp. 437, 441; id. Parker, Jones, and Brady, <i>ibid.</i> 1865, xvi. p. 33, t. 1, f. 7; <i>Miliola</i> , Woods, Quart. Jour. Geol. Soc. 1865, xxi. p. 391.	Muddy Ch. Vict. Mount Gambier, S. Australia (fide Jones).

Order—Spongida.

Genus *Tethia*, *Lamarck*, 1816. (Hist. Nat. Anim. s. Vertèb. ii. p. 384; *Tethia*,
Bowerbank, Mon. Brit. Spongiadæ, p. 181.)—*Silicea*.

<i>T. Newberryi</i> , <i>M'Coy</i> .	M. Ter. (Mio- cene?).	Couchman's Progress Rept. 1877, iv. p. 155; "Geol. Survey, Vict. Dec. v. 1877, p. 31, t. 48, f. 1.	Boggy Creek, Vict.
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Sub-kingdom—Coelenterata. Class—Actinozoa.
Zoantharia et Alcyonaria.

Genus *Amphihelia*, *Edwards* and *Haime*, 1857. (Hist. Nat. Coralliaires, ii. p. 118.)¹
Aporosa-Oculinidae.

<i>A. incrustans</i> , <i>Duncan</i> .		*Quart. Jour. Geol. Soc. 1870, xxvi. p. 304, t. 20, f. 6.	W. of Aire River, Cape Otway, Vict.
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Genus *Antillia*, *Duncan*, 1864. (Quart. Jour. Geol. Soc. xx. p. 28; Brüggemann,
Annals Nat. Hist. 1877, xx. p. 307.)—*Aporosa-Astræidae*.

<i>A. lens</i> , <i>Duncan</i> .	H a m i l t o n Series (L. or M. Ter.?).	*Annals Nat. Hist. 1865, xvi. p. 185, t. 8, f. 6; *Quart. Jour. Geol. Soc. 1870, xxvi. p. 306, t. 20, f. 12.	Hamilton, Vict.
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Genus *Balanophyllia*, *S. V. Wood*, 1844. (Annals Nat. Hist. xiii. p. 11.)
Perforata-Madreporidae.

<i>B. armata</i> , <i>Duncan</i> .	Schnapper Pt. beds = Oligo- cene (L. Ter.). H a m i l t o n Series (L. or M. Ter.?).	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 302, t. 21, f. 3; M'Coy, Smyth's Progress Report, 1874, p. 35.	Hamilton; Schnap- per Point, Hob- son's Bay, Vict.
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¹ Previously called *Amphelia*, by Messrs Edwards and Haime (see *Compt. Rend.* xxix. p. 69, 1849).

(Actinozoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>B. Australiensis, Duncan.</i>	Hamilton Series (L. or M. Ter.?).	*Annals Nat. Hist. 1864, xiv. p. 164, t. 6, f. 1; Quart. Jour. Geol. Soc. 1865, xxi. p. 394; *ibid. 1870, xxvi. p. 303, t. 21, f. 6.	Muddy Creek, near Hamilton, Vict.
<i>B. campanulata, Duncan.</i>	Schnapper Pt. beds = Oligocene (L. Ter.).	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 302, t. 21, f. 1; M'Coy, Smyth's Progress Report, 1874, p. 35.	W. of Ayre River, Cape Otway; Schnapper Point, Hobson's Bay, Vict.
<i>B. cylindrica, Michelotti.</i>		<i>Turbinolia</i> , *Spec. Zooph. Del. 1888, p. 73; id. Michelin, *Icon. Zooph. p. 38, t. 8, f. 5; <i>Balanophyllia</i> , Edwards, Hist. Nat. Corall. 1860, iii. p. 101; Duncan, *Quart. Jour. Geol. Soc. 1870, xxvi. p. 304, t. 21, f. 7.	W. of Cape Otway, Vict.
<i>B. fragilis, Duncan.</i>	Hamilton Series (L. or M. Ter.?).	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 303, t. 21, f. 5.	Muddy Creek, near Hamilton, Vict.
<i>B. Selwyni, Duncan.</i>		*Quart. Jour. Geol. Soc. 1870, xxvi. p. 303, t. 21, f. 4.	W. of Ayre River, Cape Otway, Vict.
<i>B. seminuda, Duncan.</i>	Hamilton Series (L. or M. Ter.?).	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 302, t. 21, f. 2.	Hamilton, Vict.
<i>B. tubuliformis, Duncan.</i>	Hamilton Series (L. or M. Ter.?).	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 304, t. 21, f. 9.	Muddy Creek, near Hamilton, Vict.
<i>B. Ulrichi, Duncan.</i>		*Quart. Jour. Geol. Soc. 1870, xxvi. p. 304, t. 21, f. 8.	W. of Cape Otway, Vict.

Genus *Caryophyllia*, Lamarck, 1801. (Système, p. 870; Histoire, 1816, ii. p. 224; Edwards, Hist. Nat. Corall. 1857, ii. p. 11.)—*Aporosa-Turbinolidae.*

<i>C. viola, Woods and Duncan.</i>	Schnapper Pt. beds = Oligocene (L. Ter.). Hamilton Series (L. or M. Ter.?).	<i>Turbinolia</i> , Woods, ms.; <i>Caryophyllia</i> , Woods and Duncan, *Annals Nat. Hist. 1864, xiv. p. 162, t. 5, f. 2; Duncan, Quart. Jour. Geol. Soc. 1865, xxi. p. 394; id. *ibid. 1870, xxvi. p. 295, t. 19, f. 1; <i>ibid.</i> M'Coy, Smyth's Progress Report, 1874, p. 35.	Violet Creek, near Hamilton; Schnapper Point, Hobson's Bay, Vict.
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Genus *Conosmilia*, Duncan, 1865. (Annals Nat. Hist. xvi. p. 184.)—*Aporosa-Astraeidae.*

<i>C. anomala, Duncan.</i>	Hamilton Series (L. or M. Ter.?).	*l. c. p. 184, t. 8, f. 4; *Quart. Jour. Geol. Soc. 1870, xxvi. p. 305, t. 20, f. 10.	Hamilton, Vict.
<i>C. elegans, Duncan.</i>		*l. c. p. 184, t. 8, f. 3; *Quart. Jour. Geol. Soc. 1870, xxvi. p. 305, t. 20, f. 5.	Geelong, Vict.
<i>C. lituola, Duncan.</i>		*Quart. Jour. Geol. Soc. 1870, xxvi. p. 305, t. 20, f. 11.	W. of Gellibrand River, Vict.

(Actinozoa.)		(Tertiary.)	
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>J. striata, Duncan.</i>		*Annals Nat. Hist. 1865, xvi. p. 184, t. 8, f. 3; *Quart. Jour. Geol. Soc. 1870, xxvi. p. 305, t. 20, f. 9.	Geelong, Vict.
Genus <i>Conotrochus, Sequenza, 1864.</i> (Mem. R. Accad. Sci. Torino, 2nd ser. xxi. p. 477.) <i>Aporosa-Turbinolidae.</i>			
<i>J. Maccoyi, Duncan.</i>	Table Cape Series (L. or M. Ter.?).	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 298, t. 19, f. 7; M'Coy, Smyth's Progress Report, 1874, p. 35; Woods, Proc. R. Soc. Tas. (for 1875) 1876, p. 17.	W. of Cape Otway, Vict. Table Cape, Tas.
<i>J. typus, Sequenza.</i>		*Mem. R. Accad. Sci. Torino, xxi. p. 477, t. 10, f. 1; var. <i>Australiensis, Duncan</i> , *Quart. Jour. Geol. Soc. 1870, xxvi. p. 298, t. 19, f. 8.	W. of Gellibrand River, Vict.
Genus <i>Cycloseris, Edwards and Haime, 1849.</i> (Comptes Rendus, xxix. p. 72.) <i>Aporosa-Fungidae.</i>			
<i>J. tenuis, Duncan.</i>		*Quart. Jour. Geol. Soc. 1870, xxvi. p. 301, t. 20, f. 8.	E. of Gellibrand River, Vict.
Genus <i>Deltocyathus, Edwards and Haime, 1848.</i> (Ann. Sc. Nat. 3rd ser. ix. p. 825.) <i>Aporosa-Turbinolidae.</i>			
<i>D. italicus, Edwards and Haime.</i>		*Ann. Sc. Nat. 3rd ser. ix. p. 826, t. 10, f. 11; var. <i>Australiensis, Duncan</i> , *Quart. Jour. Geol. Soc. 1870, xxvi. p. 297, t. 19, f. 4; M'Coy, Smyth's Progress Report, 1874, p. 35.	W. of Cape Otway, Vict.
Genus <i>Dendrophyllia, Blainville, 1830.</i> (Dict. Sc. Nat. lx. p. 819.) <i>Perforata-Euphemidae.</i>			
<i>D. Duncani, Tenison Woods.</i>	Table Cape Series (L. or M. Ter.?).	Notes, Tertiary Foss. Tas. 1876, p. 43.	Table Cape, N. Tas.
<i>D. epithecata, Duncan.</i>	Table Cape Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1875, xxxi. p. 677, t. 38c, f. 1 and 2.	Table Cape, N. Tas.
Genus <i>Flabellum, Lesson, 1831.</i> (Illust. de Zool. pl. xiv.) = <i>Phyllodes, Philippi.</i> <i>Aporosa-Turbinolidae.</i>			
<i>Candeatum (d'Orb. ms.), Edwards and Haime.</i>	Murray River Series (L. or M. Ter.?), &c.	*Ann. Soc. Nat. 3rd ser. ix. p. 278, t. 8, f. 13; Duncan, Annals Nat. Hist. 1864, xiv. p. 163; *Quart. Jour. Geol. Soc. 1870, xxvi. p. 300, t. 20, f. 1.	W. of Gellibrand River, Vict. Murray River, S. Australia.

(Actinozoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>F. distinctum</i> , <i>Edwards</i> and <i>Haime</i> .		*Ann. Sc. Nat. 3rd ser. ix. p. 262; Duncan, *Quart. Jour. Geol. Soc. 1870, xxvi. p. 299, t. 20, f. 2; M'Coy, Smyth's Progress Report, 1874, p. 35.	W. of Aire River, Cape Otway, Vict.
<i>F. Duncani</i> , <i>Tenison-Woods</i> .	Table Cape Series (L. or M. Ter.?).	*Notes, Tertiary Foss. Tas. 1876, p. 43.	Table Cape, Tas.
<i>F. Gambierense</i> , <i>Duncan</i> .	Mt. Gambier Series (L. or M. Ter.?).	*Annals Nat. Hist. 1864, xiv. p. 163, t. 5, f. 3; Quart. Jour. Geol. Soc. 1865, xxi. p. 394; *ibid. 1870, xxvi. p. 299, t. 19, figs. 9 and 10; M'Coy, Smyth's Progress Report, 1874, p. 35; Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 31.	Mount Gambier, S. Australia. W. of Aire River, Cape Otway, Vict. Table Cape, Tas.
<i>F. Victoriae</i> , <i>Duncan</i> .	Schnapper Pt. Series = Oligocene (L. Ter.). Hamilton Series (L. or M. Ter.?).	*Annals Nat. Hist. 1864, xiv. p. 162, t. 5, f. 2; Quart. Jour. Geol. Soc. 1865, xxi. p. 394; *ibid. 1870, xxvi. p. 299, t. 19, f. 11; M'Coy, Smyth's Progress Report, 1874, p. 35; Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 31.	Muddy Creek, near Hamilton; Schnapper Point, Hobson's Bay, Vict. Table Cape, Tas.
<i>H. Tasmaniensis</i> , <i>Duncan</i> .	Table Cape Series.	*Quart. Jour. Geol. Soc. 1876, xxxi. p. 342, t. 22, f. 1—8.	Table Cape, Tas.
<i>Genus Isis</i> , <i>Linnaeus</i> , 1758. (Systema, ed. 10, p. 799; Lamarck, Système, 1801, p. 375; id. Histoire, 1816, II. p. 300.)— <i>Alcyonaria-Gorgoniidae</i> .			
<i>I. sp. ind.</i>		Duncan, *Quart. Jour. Geol. Soc. xxii. p. 673, group 1, t. 38 a, figs. 5—7, group 2, t. 38 a, f. 4, group 3, t. 38 a, figs. 1—3.	Cape Otway, Vict.
<i>Genus Palaeoseris</i> , <i>Duncan</i> , 1870. (Quart. Jour. Geol. Soc. xxvi. p. 301.) <i>Aporosa-Fungidae</i> .			
<i>P. Woodsi</i> , <i>Duncan</i> .	Hamilton Series (L. or M. Ter.?).	<i>Trochoseris</i> , Duncan, *Annals Nat. Hist. 1864, xiv. p. 164, t. 6, f. 2; *ibid. Quart. Jour. Geol. Soc. 1865, xxi. p. 394; <i>Palaeoseris</i> , *id. 1870, xxvi. p. 301, t. 20, f. 7.	Muddy Creek, near Hamilton, Vict.
<i>Genus Placotrochus</i> , <i>Edwards</i> and <i>Haime</i> , 1848. (Ann. Sc. Nat. 3rd ser. ix. p. 282; Edwards, Hist. Nat. Corall. 1857, II. p. 98.)— <i>Aporosa-Turbinolida</i> .			
<i>P. deltoideus</i> , <i>Duncan</i> .	Schnapper Pt. Series = Oligocene (L. Ter.). Hamilton Series (L. or M. Ter.?).	*Annals Nat. Hist. 1864, xiv. p. 164, t. 5, f. 5; Quart. Jour. Geol. Soc. 1865, xxi. p. 394; *ibid. 1870, xxvi. p. 300, t. 20, f. 4; M'Coy, Smyth's Progress Report, 1874, p. 35; Woods, Proc. R. Soc. Tas. (for 1875) 1876, p. 17.	Muddy Creek, near Hamilton; Schnapper Point; W. of Gellibrand River, Vict. Table Cape, Tas.

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(Actinozoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
P. elongatus, <i>Duncan.</i>	Schnapper Pt. Series = Oli- gocene (L. Ter.). Hamilton Series (L. or M. Ter.?).	*Annals Nat. Hist. 1864, xiv. p. 163, t. 5, f. 4; Quart. Jour. Geol. Soc. 1865, xxi. p. 394; *ibid. 1870, xxvi. p. 300, t. 20, f. 8; M'Coy, Smyth's Progress Report, 1874, p. 35; ? <i>P. elongatus</i> , Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 31.	M u d d y Creek, near Hamilton; Schnapper Point; W. of Aire Riv. Cape Otway, Vict. Table Cape, Tas.
Genus <i>Sphaenotrochus</i> , <i>Edwards</i> and <i>Haime</i> , 1848. (Ann. Sc. Nat. 3rd ser. ix. p. 240; <i>Edwards</i> , Hist. Nat. Corall. 1857, ii. p. 65.)— <i>Aporosa-Turbinolidae</i> .			
S. Australis, <i>Woods</i> and <i>Duncan.</i>	Schnapper Pt. Series = Oli- gocene (L. Ter.). Hamilton Series (L. or M. Ter.?).	*Annals Nat. Hist. 1865, xvi. p. 183, t. 8, f. 1; *Quart. Jour. Geol. Soc. 1870, xxvi. p. 297, t. 19, f. 5; M'Coy, Smyth's Progress Report, 1874, p. 35.	Hamilton; Schnap- per Point, Vict.
S. emaciatus, <i>Duncan.</i>	Hamilton Series (L. or M. Ter.?).	*Annals Nat. Hist. 1865, xvi. p. 183, t. 8, f. 2.	Hamilton, Vict.
S. excisus, <i>Duncan.</i>	Hamilton Se- ries, &c., L. or M. Ter.?; Schnapper Pt. Series = Oli- gocene (L. Ter.).	*Quart. Jour. Geol. Soc. 1870, xxvi. p. 298, t. 19, f. 6; M'Coy, Smyth's Progress Report, 1874, p. 35; Woods, Proc. R. Soc. Tas. (for 1875) 1876, p. 17.	Hamilton; Schnap- per Point, Vict. Table Cape, Tas.
Genus <i>Thamnastraea</i> , <i>Lesauvage</i> , 1823. (Mém. Soc. Hist. Nat. i. p. 243; Ann. Sci. Nat. 1832, xxvi. p. 329.)— <i>Aporosa-Astreidae</i> .			
T. sera, <i>Duncan.</i>	Table Cape Series (L. or M. Ter.?).	*Quart. Jour. Geol. Soc. 1876, xxxii. p. 343, pl. 22, f. 4—6.	Table Cape, Tas.
T. Tasmaniensis (<i>Duncan</i>), <i>Woods.</i>	Table Cape Series (L. or M. Ter.?).	Notes, Tert. Foss. Tas. 1876, p. 39.	Table Cape, Tas.
Genus <i>Trochocyathus</i> , <i>Edwards</i> and <i>Haime</i> , 1848. (Ann. Sc. Nat. 3rd ser. ix. p. 300; <i>Edwards</i> , Hist. Nat. Corall. 1857, ii. p. 26.)— <i>Aporosa-Turbinolidae</i> .			
T. meridionalis, <i>Duncan.</i>		<i>Petraia</i> , sp. Wilkinson, Geol. Report, C. Otway Dist. 1865, p. 24; <i>T. meridionalis</i> , Duncan, *Quart. Jour. Geol. Soc. 1870, xxvi. p. 296, t. 19, f. 2; M'Coy, Smyth's Progress Report, 1874, p. 35.	E. of Gellibrand River, Vict.
T. Victoriae, <i>Duncan.</i>		*Quart. Jour. Geol. Soc. 1870, xxvi. p. 296, t. 19, f. 3; M'Coy, Smyth's Progress Report, 1874, p. 35.	E. of Gellibrand River, Vict.

(Echinodermata.)		(Tertiary.)	
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Sub-kingdom—Annuloida. Class—Echinodermata.</i>			
<i>Genus Arachnoides, Klein, 1734 (Nat. Disp. Ech. p. 33; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, p. 90, 1873, pt. 3, p. 528)=Monostychia, Laube, 1869.—Clypeastridae-Scutellidae.</i>			
<i>A. Australis, Laube.</i>	Mt. Gambier Series; Hamilton Series (L. or M. Ter.?).	† <i>Scutella</i> , sp. Sturt, Two Exps. Int. S. Austr. 1832, II. p. 254, t. 3, f. 9; <i>ibid</i> . Temison-Woods, Geol. Obs. S. Austr. 1862, p. 105; ? <i>Clypeaster</i> , sp. <i>id. ibid.</i> p. 77 cut; <i>Clypeaster folium</i> , Duncan (non Agassiz), Annals Nat. Hist. 1864, xiv. p. 166; <i>Monostychia Australis</i> , Laube, <i>Sitz. K. Akad. Wissenschaft. Wien</i> , 1869, lxx. p. 190, f. 8; <i>id. ibid.</i> Verhandl. (Jahrbuch) K. K. Geol. Reichsanstalt, 1869, xix. p. 77; Etheridge, jun. <i>Quart. Jour. Geol. Soc.</i> 1875, xxxi. pp. 448, 449; <i>Arachnoides</i> , Duncan, <i>ibid.</i> 1877, xxxiii. p. 48.	Murray Riv. Cliffs and Mt. Gambier, <i>S. Australia</i> . Muddy Creek, near Hamilton, Vict.
<i>A. elongatus, Duncan.</i>	Mt. Gambier Series.	* <i>Quart. Jour. Geol. Soc.</i> 1877, xxxiii. p. 48, t. 3, f. 8.	Mount Gambier, <i>S. Australia</i> .
<i>A. Loveni, Duncan.</i>	M. Tertiary?	* <i>Quart. Jour. Geol. Soc.</i> 1877, xxxiii. pp. 47 and 65, t. 3, f. 6 and 7.	Mordialloc and Curdies Inlet, Vict.
<i>Genus Catopygus, L. Agassiz, 1835. (Prodrome; Mém. Soc. Sci. Neuchatel, I. p. 185; Desor, Synopsis, 1857, p. 282.)—Petalosticha-Nucleolidae.</i>			
<i>C. elegans, Laube.</i>	Murray River Series (L. or M. Ter.?).	* <i>Sitz. K. Akad. Wissenschaft. Wien</i> , 1869, lxx. p. 190, f. 8; Etheridge, jun. <i>Quart. Jour. Geol. Soc.</i> 1875, xxxi. pp. 449; Duncan, <i>Quart. Jour. Geol. Soc.</i> 1877, xxxiii. pp. 51 and 67.	Murray Riv. Cliffs, <i>S. Australia</i> .
<i>Genus Cidaris, Klein, 1734. (Nat. Disp. Ech. p. 14; Lamarek, Système, 1801, p. 348; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, pp. 98 and 252, 1873, pt. 3, p. 384.)—Dermosticha-Cidaridae.</i>			
<i>C. sp. ind.</i>	Mt. Gambier Series.	Tenison-Woods, Geol. Obs. S. Austr. 1862, pp. 76 and 81.	Murray Riv. Cliffs, <i>S. Australia</i> .
<i>Genus Clypeaster, Lamarck, 1801. (Système, p. 349; Histoire, 1816, III. p. 12; Desor, Synopsis, 1857, p. 289; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, pp. 99, 306.)—Clypeastridae-Echinanthidae.</i>			
<i>C. folium, Duncan</i> (non Agassiz).		Vide <i>Arachnoides Australis</i> , Laube.	

(Echinodermata.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Echinanthus</i> , <i>Breynius</i> , 1792. (De Echinis!; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, pp. 106 and 310.)— <i>Clypeastridae-Echinanthidae</i> .			
<i>E. testudinarius</i> , Gray.		*Proc. Zool. Soc. 1851, p. 35; A. Agassiz, "loc. cit." 1872, pts. 1 and 2, p. 106, 1873, pt. 3, p. 514; Duncan, "Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 46 and 65.	Lindenow, Mitchell River, E. Vict.
Genus <i>Echinarachnius</i> , <i>Leske</i> , 1778. (Addit. Klein's Nat. Disp. Echinod. p. 217; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, pp. 107 and 315.)— <i>Clypeastridae-Scutellidae</i> .			
<i>E. parma</i> , <i>Lamarck</i> .		<i>Scutella</i> , Histoire, 1816, iii. p. 11; <i>Echinarachnius</i> , Gray, Annals Phil. 1825, x. p. 428; <i>id. A. Agassiz</i> , "loc. cit." pts. 1 and 2, pp. 107 and 316, t. 11 a, t. 4 and 5, t. 11 c, f. 4 and 5, t. 12, f. 1—18; <i>id. Duncan</i> , Quart. Jour. Geol. Soc. 1877, xxxiii. p. 65.	Vict. or S. Australia?
Genus <i>Echinobrissus</i> , <i>Breynius</i> , 1792. (De Echinis!; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, p. 108, 1873, pt. 3, p. 555.)— <i>Petalosticha-Nucleolidae</i> .			
<i>E. Australis</i> , <i>Duncan</i> .	Mt. Gambier Series(L.or M. Ter.?).	*Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 50 and 66, t. 3, f. 11.	Cape Otway, Vict. (Upper Coralline beds).
Genus <i>Echinolampas</i> , <i>Gray</i> , 1825. (Annals Phil. x. p. 429; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, pp. 114 and 335, 1873, pt. 3, p. 551.)— <i>Petalosticha-Nucleolidae</i> .			
<i>E. Australis</i> , <i>Ten.-Woods</i> .	Mt. Gambier Series(L.or M. Ter.?).	Proc. Phil. Soc. Adelaide for 1865! (= <i>E. ovulum</i> , Laube).	Mt. Gambier, S. Australia.
<i>E. Corioensis</i> , <i>M'Coy</i> .		Smyth's Progress Report, 1874, p. 36; Etheridge, jun. Quart. Jour. Geol. Soc. 1875, xxxi. p. 449.	Corio Bay, Vict.
<i>E. ovulum</i> , <i>Laube</i> .	Murray River Series(L.or M. Ter.?).	*Sitz. K. Akad. Wissenschaft. Wien, 1869, lxx. p. 191; Duncan, Quart. Jour. Geol. Soc. 1877, xxxiii. p. 66; Etheridge, jun. Quart. Jour. Geol. Soc. 1875, xxxi. p. 449.	Murray R. Cliffs, S. Australia.
Genus <i>Echinus</i> , <i>Rondeletius</i> , 1554. (De Piscibus Marinis, p. 577; Linnaeus, Syst. Nat. ed. 10, 1758, i. p. 662; Lamarck, Système, 1801, p. 38; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, pp. 121 and 293, 1873, pt. 3, p. 489.)— <i>Desmosticha-Echinidae</i> .			
<i>E. sp. ind.</i>	Murray River Series; Mt. Gambier Series(L.or M. Ter.?).	Sturt, Two Expeditions Int. S. Austr. 1832, ii. p. 254, t. 3, f. 11; Temison-Woods, Geol. Obs. S. Austr. 1862, pp. 77 and 105.	Murray R. Cliffs, and Mount Gambier, S. Austr.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Eupatagus</i> , <i>L. Agassiz</i> , 1847. (Ann. Sc. Nat. 3rd series, viii. p. 9; <i>A. Agassiz</i> , Revision Echini, 1872, pts. 1 and 2, p. 128, 1873, pt. 3, p. 572.) <i>Petalosticha-Spatangidae</i> .			
<i>E. Forbesii</i> , <i>M'Coy</i> .		Smyth's Progress Report, 1874, p. 36; Etheridge, jun. Quart. Jour. Geol. Soc. 1875, xxxi. p. 449.	Victoria.
<i>E. Laubei</i> , <i>Duncan</i> .		*Quart. Jour. Geol. Soc. 1877, xxxiii. p. 55, t. 3, f. 18.	Sherbrook R. Vict.
<i>E. Murrayensis</i> , <i>Laube</i> .	Murray River Series (L. or M. Ter.?).	*Sitz. K. Akad. Wissensch. Wien, 1869, lxx, p. 196, f. 6; Verhandl. (Jahrbuch) K. K. Geol. Reichsanstalt, 1869, xix. p. 77; Etheridge, jun. Quart. Jour. Geol. Soc. 1875, xxi. p. 449.	Murray R. Cliffs, S. Australia.
<i>E. rotundus</i> , <i>Duncan</i> .	Murray River Series (L. or M. Ter.?).	*Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 53 and 67, t. 3, f. 14—17.	Murray River, S. Australia.
<i>E. Wrightii</i> , <i>Laube</i> .	Murray River Series (L. or M. Ter.?).	*Sitz. K. Akad. Wissensch. Wien, 1869, lxx, p. 195, f. 5; Verhandl. (Jahrbuch) K. K. Geol. Reichsanstalt, 1869, xix. p. 77; <i>Echinolampus</i> , Tenison-Woods, Geol. Obs. S. Austr. 1862, p. 77.	Murray R. Cliffs, and ? Mt. Gambier, S. Austr.
Genus <i>Hemiaster</i> (<i>Desor</i> , 1847), <i>Agassiz</i> , 1847. (Ann. Sci. Nat. 3rd ser. viii. p. 16; <i>A. Agassiz</i> , Revision Echini, 1872, pts. 1 and 2, p. 132, 1873, pt. 3, p. 585.) <i>Petalosticha-Spatangidae</i> .			
<i>H. Archeri</i> ¹ , <i>Ten.-Woods</i> .	Mt. Gambier Series (L. or M. Ter.?).	Proc. Phil. Soc. Adelaide, for 1865!	Mt. Gambier, S. Australia.
Genus <i>Hemipatagus</i> , <i>Desor</i> , 1858 (Synop. Echin. Foss. p. 416) = <i>Maretia</i> (pars), <i>A. Agassiz</i> , non Gray. Vide <i>Lovenia</i> .			
<i>H. Forbesii</i> , <i>Woods</i> and <i>Duncan</i> .		Vide <i>Lovenia Forbesii</i> .	
<i>H. Forbesi</i> , <i>Laube</i> .		Vide <i>Lovenia Forbesii</i> , var. <i>Woodsii</i> .	
<i>H. Woodsii</i> , <i>Etheridge</i> , jun.		Vide <i>Lovenia Forbesii</i> , var. <i>Wooeitii</i> .	
Genus <i>Holaster</i> , <i>L. Agassiz</i> , 1835. (Prodrome, Mém. Soc. Sci. Neuchatel, i. p. 183; <i>Desor</i> , Synopsis, p. 836.)— <i>Petalosticha-Spatangidae</i> .			
<i>H. Australis</i> , <i>Duncan</i> .		*Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 51 and 67, t. 3, f. 12 and 13.	Castle Cove, Cape Otway, Vict.
Genus <i>Leiocidaris</i> , <i>Desor</i> , 1854. (Synop. Echin. Foss. p. 48; <i>A. Agassiz</i> , Revision Echini, 1872, pts. 1 and 2, p. 65.)— <i>Desmosticha-Cidaridae</i> .			
<i>L. Australis</i> , <i>Duncan</i> .		*Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 45 and 64, t. 3, f. 1 and 2.	Cape Otway, Vict.

¹ This is probably identical with one or other of the species here catalogued under a different name.

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Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Lovenia (Desor, 1847). <i>L. Agassiz</i>, 1847. (Ann. Sc. Nat. viii. p. 10; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, p. 139, 1873, pt. 3, p. 574.) <i>Petalosticha-Spatangidae</i>.			
<i>L. Forbesii</i> , Woods and <i>Duncan</i> .	Hamilton Series; Mt. Gambier Series (L. or M. Ter.?). Murray River Series (L. or M. Ter.?). Mordialloc beds (Up. Ter.?).	<i>Spatangus Hoffmanni</i> , Sturt (non Goldf.), Two Expeds. Int. S. Austr. 1832, II. p. 254, t. 3, f. 10; <i>S. Forbesii</i> , Tenison-Woods, Quart. Jour. Geol. Soc. 1860, xvi. p. 256; <i>id. ibid.</i> Trans. R. Soc. Vict. III. p. 91; <i>id. ibid.</i> Geol. Obs. S. Austr. 1862, pp. 75 and 83; <i>Hemipatagus Forbesii</i> , Woods and Duncan, Annals Nat. Hist. 1864, xiv. p. 165, t. 6, f. 3; <i>Spatangus</i> , Wilkinson, Geol. Report, Cape Otway District, 1865, p. 23; <i>H. Forbesii</i> , Laube, "Sitz. K. Akad. Wissensch. Wien, 1869, lxx. p. 193, f. 4; <i>id. Duncan</i> , Quart. Jour. Geol. Soc. 1870, xxvi. p. 285; <i>id. Tenison-Woods</i> , Proc. R. Soc. Tas. (for 1875) 1876, p. 15; <i>Lovenia</i> , Duncan, "Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 58, 59 and 68, t. 4, f. 5—8.	Murray R. Cliffs, and Mount Gambier, S. Austr. Portland; Spring Creek, near Geelong, Hamilton, and Mordialloc, Vict.
<i>L. Forbesii</i> , var. minor, <i>Duncan</i> .		*Quart. Jour. Geol. Soc. 1877, xxxiii. p. 59.	Mordialloc, Vict.
<i>L. Forbesii</i> , var. <i>Woodsii</i> , <i>Etheridge</i> , jun.	Murray River Series; Mt. Gambier Series; Hamilton and Table Cape Series (L. or M. Ter.?).	<i>Hemipatagus Forbesii</i> , Quart. Jour. Geol. Soc. 1875, xxxi. p. 21, f. 8; <i>H. Woodsii</i> , Etheridge, jun. *loc. cit. p. 445, t. 21, f. 1—7; <i>Lovenia Forbesii</i> , var. Duncan, "Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 58 and 59; <i>H. Woodsii</i> , Johnston, Notes Tertiary Beds, Table Cape, Tas. 1876, pp. 31 and 64.	Murray Cliffs, and Mount Gambier, S. Australia. Hamilton and Mordialloc, Vict. Table Cape, Tas.
Genus Maretia, Gray, 1855. (Brit. Mus. Cat. Recent Ech. p. 48; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, p. 139, 1873, pt. 3, p. 568 pars.) <i>Petalosticha-Spatangidae</i>.			
<i>M. anomala</i> ; <i>Duncan</i> .		*Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 52 and 67, t. 4, f. 1—4.	Sherbrook R. Vict.
Genus Megalaster, <i>Duncan</i>, 1877. (Quart. Jour. Geol. Soc. xxxiii. p. 61.) <i>Petalosticha-Spatangidae</i>.			
<i>M. compressus</i> , <i>Duncan</i> .	Murray River Series (M. Ter.?).	*loc. cit. pp. 62 and 68, f. 1.	Murray River, S. Australia.

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(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Micraster</i> , <i>L. Agassiz</i> , 1885. (Prodrome, Mem. Soc. Sci. Neuchatel, I. p. 184; <i>Schizaster</i> , pars, A. Agassiz, Revision Echini, 1872, pts. 1 and 2, p. 157.) <i>Petalosticha-Spatangidae</i> .			
<i>M. brevistella</i> , <i>Laube</i> .	Murray River Series; Ta- ble Cape Se- ries (L. or M. Ter.?).	*Sitz. K. Akad. Wissensch. Wien, 1869, LIX. p. 192, f. 7; Ethe- ridge, jun. *Quart. Jour. Geol. Soc. 1875, XXXI. pp. 447, 448, f. 11 and 12; Duncan, <i>ibid.</i> 1877, XXXIII. p. 68; Johnston, *Notes Tertiary Beds, Table Cape, Tas. p. 64.	Murray R. Cliffs, <i>S. Australia</i> . Table Cape, Tas.
<i>M. Etheridgei</i> , <i>John- ston</i> .	Table Cape Series (M. or L. Ter.?).	*Notes Tertiary Beds, Table Cape, Tas. p. 64.	Table Cape, Tas.
Genus <i>Monostychia</i> , <i>Laube</i> , 1869. (Sitz. K. Akad. Wissensch. Wien, LIX. p. 188.) <i>Vide Arachnoides</i> .			
<i>M. Australis</i> , <i>Laube</i> .		<i>Vide Arachnoides Australis</i> .	
Genus <i>Paradoxechinus</i> , <i>Laube</i> , 1869. (Sitz. K. Akad. Wissensch. LIX. p. 186.) <i>Desmosticha-Echinidae</i> .			
<i>P. novus</i> , <i>Laube</i> .	Murray River Series (M. or L. Ter.?).	*loc. cit. p. 188, f. 2; Etheridge, jun. Quart. Jour. Geol. Soc. 1875, XXXI. p. 449; <i>Temnechinus</i> ? Duncan, Quart. Jour. Geol. Soc. 1877, XXXIII. p. 65.	Murray R. Cliffs, <i>S. Australia</i> .
?Genus <i>Psammechinus</i> , <i>L. Agassiz</i> , 1846. (Ann. Sci. Nat. 3rd series, VI. p. 368; <i>A. Agassiz</i> , Revision Echini, pt. 3, 1873, p. 490.)— <i>Desmosticha-Echinidae</i> .			
<i>P. Woodsi</i> , <i>Laube</i> .	Murray River Series (M. or L. Ter.?).	*Sitz. K. Akad. Wissensch. Wien, 1869, LIX. p. 185, f. 1; Ethe- ridge, jun. *Quart. Jour. Geol. Soc. 1875, XXXI. pp. 447, 449, t. 21, f. 10; Duncan, Quart. Jour. Geol. Soc. 1877, XXXIII. p. 64.	Murray R. Cliffs, <i>S. Australia</i> .
Genus <i>Pygorhynchus</i> , <i>L. Agassiz</i> , 1839. (Descrip. Echinod. Foss. Swiss. pt. 1, p. 53; <i>Desor</i> , Synopsis, 1857, p. 297.)— <i>Petalosticha-Nucleolidae</i> .			
<i>P. Vassali</i> , <i>Wright</i> .		*Quart. Jour. Geol. Soc. 1864, xx. p. 479, t. 22, f. 6 a—c; Duncan, Quart. Jour. Geol. Soc. 1877, XXXIII. pp. 51 and 67.	E. of Glenelg R. Vict.
Genus <i>Rhynchopygus</i> , <i>d'Orbigny</i> , 1855. (Pal. Franc. Terr. Crét. VI. p. 323; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, pp. 67, 153, 342, pt. 3, 1873, p. 553.) <i>Petalosticha-Nucleolidae</i> .			
<i>R. dyasteroides</i> , <i>Duncan</i> .		*Quart. Jour. Geol. Soc. 1877, XXXIII. pp. 49 and 66, t. 3, f. 9 and 10.	Cape Otway, Vict.

(Echinodermata—Annelida.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Salenia</i> , <i>Gray</i> , 1835 (Proc. Zool. Soc. 1835, p. 58; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, pp. 155 and 258, pt. 3, 1873, p. 398) = <i>Salenocidaris</i> , A. Agassiz. <i>Dermosticha-Salenidae</i> .			
<i>S. tertaria</i> , <i>Tate</i> .	L. Tertiary.	*Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 257, 258, f. 2 a—c; Duncan, Annals Nat. Hist. 1877, xx. p. 246.	Aldinga, S. Austr.
Genus <i>Schizaster</i> , <i>L. Agassiz</i> , 1835. (Prodrome, Mém. Sci. Nat. Neuchatel, i. p. 185; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, pp. 157, 363, pt. 3, 1873, p. 609.) <i>Petalosticha-Spatangidae</i> .			
<i>S. ventricosus</i> , <i>Gray</i> .		*Brit. Mus. Cat. Recent. Ech. 1855, p. 60, t. 4, f. 2; Annals Nat. Hist. 1861, vii. p. 133; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, p. 158; <i>Schizaster</i> , sp. Duncan, Annals Nat. Hist. 1864, xv. p. 168; <i>S. ventricosus</i> , id. Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 61 and 68.	'Adelaide District,' S. Australia.
Genus <i>Scutella</i> , <i>Lamarch</i> , 1816. (Histoire Nat. Anim. s. Vertèb. iii. p. 7; Desor, Synopsis, 1857, p. 281.)— <i>Clypeastridae-Scutellidae</i> .			
<i>S. Tamboensis</i> , <i>M'Coy</i> .		Smyth's Progress Report, 1874, p. 36; Etheridge, jun. Quart. Jour. Geol. Soc. 1875, xxxi. p. 450.	Victoria.
Genus <i>Spatangus</i> , <i>Klein</i> , 1734. (Nat. Disp. Ech. p. 38; A. Agassiz, Revision, 1872, pts. 1 and 2, p. 158, 1873, pt. 3, p. 564.)— <i>Petalosticha-Spatangidae</i> .			
<i>S. Forbesii</i> , <i>Tenison-Woods</i> .		Vide <i>Lovenia Forbesii</i> , Woods and Duncan.	
<i>S. Hoffmanni</i> , <i>Sturt</i> (non <i>Goldf.</i>).		Vide <i>Lovenia Forbesii</i> , Woods and Duncan.	
Genus <i>Temnechinus</i> , <i>Forbes</i> , 1852 (Mon. Brit. Tert. Ech. p. 5; A. Agassiz, Revision Echini, 1872, pts. 1 and 2, p. 165, 1873, pt. 3, p. 466) = <i>Genocidaris</i> , A. Agassiz. <i>Desmosticha-Echinidae</i> .			
<i>T. lineatus</i> , <i>Duncan</i> .	Up. Ter.?	*Quart. Jour. Geol. Soc. 1877, xxxiii. pp. 46 and 65, t. 3, f. 3—5.	Mordialloc, Vict.

Sub-kingdom—Annulosa. Class—Annelida.

Genus *Ditrupa*, *Berkeley*, 1834. (Zool. Jour. v. p. 426.)—*Tubicola*.

<i>D. Wormbettiensis</i> , <i>M'Coy</i> .	Oldest G. D. (=L. Plio- cene?).	Smyth's Progress Report, 1875, ii. p. 22, f. 4; Couchman's <i>ibid.</i> 1877, iv. p. 155.	Welcome Bush, nr. Stawell, Vict.
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(Crustacea—Polyzoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Class</i> —Crustacea. <i>Sub-class</i> —Entomostraca. <i>Order</i> —Ostracoda.			
Genus <i>Bairdia</i> , <i>M'Coy</i> , 1844 (see p. 41).— <i>Podocopa-Cypridae</i> .			
<i>B. ovata</i> , <i>Bosquet</i> .	M. Ter. (Mio- cene?).	<i>Cytheridea</i> , <i>Bosquet</i> , Mon. Crust. Foss. Terr. Crét. Limbourg, 1854, p. 78, t. 5, f. 6 a—d; <i>Bairdia</i> , <i>G. S. Brady</i> , Trans. Zool. Soc. 1865, v. p. 364, t. 57, f. 7 a—c; <i>id. Etheridge</i> , jun. Geol. Mag. 1876, Dec. 2, III. p. 335.	Murray R. Flats, <i>S. Australia</i> .
Genus <i>Cythere</i> , <i>O. F. Müller</i> , 1875 (see p. 42).— <i>Podocopa-Cytheridae</i> .			
<i>C. Normani</i> , <i>G. S. Brady</i> .	M. Ter. (Mio- cene?).	*Trans. Zool. Soc. 1865, v. p. 379, t. 61, f. 5 a—d; <i>Etheridge</i> , jun. Geol. Mag. Dec. 2, III. 1876, p. 335.	Murray R. Flats, <i>S. Australia</i> .
Genus <i>Macrocypris</i> , <i>G. S. Brady</i> , 1868. (Intellectual Observer, XII. p. 119; Trans. Linn. Soc. XXVI. p. 391).— <i>Podocopa-Cypridae</i> .			
<i>M. acuminata</i> , <i>Alth.</i>	M. Ter. (Mio- cene?).	<i>Cytherina</i> , <i>Haedinger's Naturwiss.</i> Abhandl. 1849, III. p. 198, t. 10, f. 16; <i>id. Reuss</i> , <i>ibid.</i> IV. p. 49, t. 5, f. 7 and 8; <i>Macrocypris</i> , <i>(Brady)</i> , <i>Etheridge</i> , jun. Geol. Mag. Dec. 2, 1876, III. p. 335.	Murray R. Flats, <i>S. Australia</i> .
Genus <i>Paracypris</i> , <i>G. O. Sars</i> , 1865. (Forhandl. Vid.-Sels. Christiania, aar 1865, p. 11; <i>Brady</i> , Trans. Linn. Soc. XXVI. p. 377).— <i>Podocopa-Cypridae</i> .			
<i>P. decora</i> , <i>G. S. Brady</i> .	M. Ter. (Mio- cene?).	<i>Cytheredeis</i> , <i>Trans. Zool. Soc.</i> 1865, v. pt. 5, p. 366; <i>Paracypris</i> , <i>Etheridge</i> , jun. (<i>fide Brady</i>), Geol. Mag. Dec. 2, 1876, III. p. 335.	Murray R. Flats, <i>S. Australia</i> .
<i>Sub-kingdom</i> —Mollusca. <i>Section</i> —Molluscoidea. <i>Class</i> —Polyzoa. <i>Order</i> —Gymnolæmata.			
Genus <i>Caberea</i> , <i>Lamouroux</i> , 1816 (Hist. Polyp. Coral. Flex. p. 128)= <i>Selbia</i> , <i>Gray</i> . <i>Ciliostomata-Inarticulata</i> .			
<i>C. lata</i> , <i>Busk</i> .	Mt. Gambier Series (L. or M. Ter.?).	*Brit. Mus. Cat. Polyzoa, 1852, pt. I, p. 89, t. 47; <i>Woods</i> , <i>Quart. Jour. Geol. Soc.</i> 1865, XXI. p. 394; <i>id. Trans. R. Soc.</i> <i>Viet.</i> VI. p. 5, t. 1, f. 11; <i>R.</i> <i>Etheridge</i> , jun. <i>Synopsis</i> , <i>Austr. Tert. Polyzoa</i> , 1877, p. 7.	Mount Gambier, S. <i>Australia</i> .

(Polyzoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Canda</i> , Lamouroux, 1816. (Hist. Polyp. Coral. Flex. p. 131.) <i>Cheilostomata-Articulata.</i>			
<i>C. angulata</i> , Busk.	Mt. Gambier Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 260; Woods, *Trans. R. Soc. Vict. vi. p. 4, t. 1, f. 2; Etheridge, jun. Synopsis Austr. Polyzoa, 1877, p. 5.	Mount Gambier, S. Australia.
Genus <i>Cellepora</i> , O. Fabricius, 1780 (Fauna Grön. p. 434) = <i>Celleporaria</i> , Lamouroux. <i>Cheilostomata-Inarticulata.</i>			
<i>C. costata</i> , Busk (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Etheridge, jun. loc. cit. p. 7.	Mount Gambier, S. Australia.
<i>C. echinata</i> , Sturt.	Mt. Gambier Series; Murray R. Series (L. or M. Ter.?).	*Two Exps. Int. S. Austr. 1832, ii. p. 252, t. 3, f. 4 (non <i>C. echinata</i> , Munster, *Goldfuss, Petrefacts, i. p. 102, t. 36, f. 14); Etheridge, jun. loc. cit. p. 7.	Mount Gambier; Murray Cliffs, S. Australia.
<i>C. escharoides</i> , Sturt (non Goldf.).		Vide <i>C. hemisphærica</i> , Busk.	
<i>C. Gambierensis</i> , Busk.	Mt. Gambier Series; Ta- ble Cape Series (L. or M. Ter.?).	<i>Eschara celleporacea</i> , Sturt, *Two Exps. Int. S. Austr. 1832, ii. p. 253, t. 3, f. 1; <i>C. Gambierensis</i> , Busk, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; <i>ibid.</i> Woods, Geol. Obs. S. Austr. 1862, pp. 74, 85, 91, cuts; <i>ibid.</i> *Trans. R. Soc. Vict. vi. p. 4; <i>ibid.</i> Wilkinson, Geol. Rept. Cape Otway Dist. 1865, p. 28; <i>ibid.</i> M'Coy, Smyth's Progress Rept. 1874, p. 36; <i>Celleporaria</i> , Stoliczka, Pal. Neu-Seeland, 1865, p. 141, t. 20, f. 7; <i>Cellepora</i> , Woods, Proc. R. Soc. Tas. (for 1875) 1876, p. 14; Etheridge, jun. loc. cit. p. 7.	Mount Gambier; Murray Cliffs, S. Australia. Spring Creek, Vict. Table Cape, Tas.
<i>C. hemisphærica</i> , Busk.	Mt. Gambier Series (L. or M. Ter.?).	*Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Anstr. 1862, t. 1, f. 8; <i>id.</i> *Trans. R. Soc. Vict. vi. p. 4, t. 1, f. 4; Etheridge, jun. loc. cit. p. 8; ? <i>C. escharoides</i> , Sturt, (non Goldf.), *Two Exps. Int. S. Austr. 1832, ii. t. 3, f. 5.	Mount Gambier, S. Australia.
<i>C. nummularia</i> , Busk.	Mt. Gambier Series; Ham- ilton Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Austr. 1862, t. 1, f. 1; <i>id.</i> *Trans. R. Soc. Vict. vi. p. 4, t. 1, f. 5; <i>id.</i> Quart. Jour. Geol. Soc. 1835, xxi. p. 394; Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 31; Etheridge, jun. loc. cit. p. 8.	Mount Gambier, S. Australia. Muddy Ck. ?Vict. Table Cape, Tas.

(Polyzoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>C. spongiosa, Busk.</i>	Mt. Gambier Series; Table Cape Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Austr. 1862, t. 1, f. 2; <i>id.</i> *Trans. R. Soc. Vict. vi. p. 5, t. 1, f. 7; Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 31; Etheridge, jun. <i>Synopsis Austr. Tert. Polyzoa</i> , 1877, p. 8.	Mount Gambier, S. Australia. Table Cape, Tas.
<i>C. tubulosa, Busk.</i>	Mt. Gambier Series; Table Cape Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, *Trans. R. Soc. Vict. 1865, vi. p. 5, t. 1, f. 6; Etheridge, jun. <i>loc. cit.</i> p. 8.	Mount Gambier, S. Australia.

Genus *Cœleschera, Busk*, 1860. (Quart. Jour. Geol. Soc. xvi. p. 261.)
Cheilostomata-Inarticulata.

<i>C. Australia, Busk</i> (ms.).	Mt. Gambier Series.	<i>l. c. p. 261; Etheridge, jun. loc. cit. p. 8.</i>	Mount Gambier, S. Australia.
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Genus *Crisia, Lamouroux*, 1812. (Bull. des Sc. Soc. Philomathique, iii. p. 183.)
Cyclostomata-Articulata.

<i>C. eburnea, Linnaeus.</i>	Mt. Gambier Series (L. or M. Ter.?).	Johnston's *Brit. Zoophytes, 1847, i. p. 288, t. 50, f. 3 and 4; Woods, Trans. R. Soc. Vict. vi. p. 5, t. 1, f. 12; <i>id.</i> Quart. Jour. Geol. Soc. 1865, xxi. p. 394; Busk, Brit. Mus. Cat. Polyzoa, 1875, pt. 8, p. 4, t. 2, f. 1 and 2, t. 5, f. 1 and 2, 5 and 10; Etheridge, jun. <i>loc. cit.</i> p. 12.	Mount Gambier, S. Australia.
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Genus *Eschara, Ray* (pars), 1724! (Lamarck, Système, 1801, p. 375; *id. Histoire, 1816*, ii. p. 173; Busk, Mon. Foss. Polyzoa, Crag. 1859, p. 63.)
Cheilostomata-Inarticulata.

<i>E. arcuata, Busk</i> (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261.	Mount Gambier, S. Australia.
<i>E. bimarginata, Busk</i> (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261.	Mount Gambier, S. Australia.
<i>E. Buskii, Tenison-Woods.</i>	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 148, figs. 16 and 17.	Mount Gambier, S. Australia.
<i>E. cavernosa, Tenison-Woods.</i>	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 147, f. 1.	Mount Gambier, S. Australia.
<i>E. celleporacea, Sturt.</i>		Vide <i>Cellepora Gambierensis</i> , Busk.	
<i>E. Clarkei, Tenison-Woods.</i>	Hamilton Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 148, figs. 4-7.	Muddy Ck. Vict.
<i>E. elevata, Tenison-Woods.</i>	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 148, f. 10.	Mount Gambier, S. Australia.
<i>E. hastigera, Busk</i> (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261.	Mount Gambier, S. Australia.

(Polyzoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>E. inornata</i> , <i>Busk</i> (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261.	Mount Gambier, S. Australia.
<i>E. Liversidgei</i> , <i>Tenison-Woods</i> .	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 149; f. 11—13.	Mount Gambier, S. Australia.
<i>E. oculata</i> , <i>Busk</i> (ms.).	Mt. Gambier Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, *Jour. R. Soc. N. S. Wales, 1877, x. p. 149, f. 14.	Mount Gambier, S. Australia.
<i>E. papillata</i> , <i>Busk</i> (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261.	Mount Gambier, S. Australia.
<i>E. piriformis</i> , <i>Sturt</i> .	Murray River Series (L. or M. Ter.?).	Two Expeds. Int. S. Austr. 1832, ii. p. 253, t. 8, f. 2 (?non Goldfuss, Petrefacts, i. p. 24, t. 8, f. 10).	Murray R. Cliffs, S. Australia.
<i>E. porrecta</i> , <i>Tenison-Woods</i> .	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 147, f. 2 and 3.	Mount Gambier, S. Australia.
<i>E. rustica</i> , <i>Tenison-Woods</i> .	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 148, f. 9.	Mount Gambier, S. Australia.
<i>E. simplex</i> , <i>Busk</i> (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261.	Mount Gambier, S. Australia.
<i>E. Tatei</i> , <i>Tenison-Woods</i> .	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 149, f. 15.	Mount Gambier, S. Australia.
<i>E. verrucosa</i> , <i>Tenison-Woods</i> .	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 148, f. 8.	Mount Gambier, S. Australia.
<i>E. sp. ind.</i>	Murray River Series.	Sturt, Two Expeds. Int. S. Austr. 1832, ii. 253, t. 8, f. 3.	Murray R. Cliffs, S. Australia.
<i>E. sp. ind.</i>	Mt. Gambier Series.	Woods, Geol. Obs. S. Austr. 1862, t. 1, f. 7.	Mount Gambier, S. Australia.

Genus *Hornera*, *Lamouroux*, 1821 (Expos. Méthod. p. 41) = *Siphodictyum*, *Lonsdale*.
Cyclostomata-Inarticulata.

<i>H. Gambierensis</i> , <i>Busk</i> .	Mt. Gambier Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, *Trans. R. Soc. Vict. vi. p. 5, t. 1, f. 10?; ? <i>Retepora disticha</i> , Sturt, Two Expeds. Int. S. Austr. 1832, ii. p. 254, t. 8, f. 6; Etheridge, jun. Synopsis Austr. Tert. Polyzoa, 1877, p. 13.	Mount Gambier, S. Australia.
<i>H. rugulosa</i> , <i>Busk</i> .	Mt. Gambier Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Trans. R. Soc. Vict. vi. p. 5, t. 1, f. 9?; Etheridge, jun. loc. cit. p. 13.	Mount Gambier, S. Australia.

Genus *Idmonea*, *Lamouroux*, 1821. (Expos. Méthod. p. 80, Supp.)
Cyclostomata-Inarticulata.

<i>I. ligulata</i> , <i>Busk</i> (ms.).	Mt. Gambier Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Stolozka, Pal. Neu-Seeland, 1865, p. 114; Etheridge, jun. loc. cit. p. 13.	Mount Gambier, S. Australia.
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(Polyzoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
I. Milneana, d'Orb.	Mt. Gambier Series(L. or M. Ter.?).	*Voy. l'Amér. Mérid. v. pt. 4, p. 20; Atlas, ix. <i>Polyptiers</i> , f. 17—21; Busk, Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, <i>id.</i> 1865, xxi. p. 394; Stoliczka, Pal. Neu-Seeland, 1865, p. 114; Busk, *Brit. Mus. Cat. Polyzoa, 1875, pt. 3, p. 12, t. 11; Etheridge, jun. <i>Synopsis Austr. Tert. Polyzoa</i> , 1877, p. 13.	Mount Gambier, S. Australia.

Genus **Lepralia, Johnston** (see p. 105).—*Cheilostomata-Inarticulata.*

L. doliformis, Busk (ms.).	Mt. Gambier Series(L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Etheridge, jun. <i>loc. cit.</i> p. 10.	Mount Gambier, S. Australia.
L. Stawellensis, M'Coy.	U. Ter. (Oldest G. Drifts = L. Pliocene?).	*Smyth's Progress Rept. 1875, ii. p. 22, f. 1; <i>id. ibid.</i> 1876, iii. p. 49; Couchman's Progress Rept. 1877, iv. p. 155; Etheridge, jun. <i>loc. cit.</i> p. 10.	Welcome Rush, nr. Stawell, Vict.
L. subearinata, Busk (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261.	Mount Gambier, S. Australia.
L. submarginata, Busk (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261.	Mount Gambier, S. Australia.

Genus **Lunulites, Lamarck**, 1816. (*Hist. Nat. Anim. s. Vertèb.* II, p. 194; Busk, Mon. Foss. Polyzoa, Crag. 1859, pp. 84 and 88).—*Cheilostomata-Inarticulata.*

L. sp. ind.	Hamilton Series.	Woods, Quart. Jour. Geol. Soc. 1865, xxi. p. 394.	Hamilton, Vict.
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Genus **Melicerita, M. Edwards**, 1836 (*Ann. Sc. Nat.* vi. p. 347) = *Ulidium*, S. V. Wood. *Cheilostomata-Inarticulata.*

M. angustiloba, Busk.	Mt. Gambier Series; Hamilton Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, Geol. Obs. S. Austr. 1862, t. 1, f. 4; <i>id. Trans. R. Soc. Vict.</i> vi. p. 5, t. 1, f. 8; <i>id. Quart. Jour. Geol. Soc.</i> 1865, xxi. p. 394; Stoliczka, *Pal. Neu-Seeland, p. 155, t. 20, figs. 15—18; Etheridge, jun. <i>loc. cit.</i> p. 10.	Mount Gambier, S. Australia. Muddy Creek, Vict.
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Genus **Membranipora, de Blainville**, 1830. (*Dict. Sc. Nat.* LX. p. 411; Busk, Mon. Foss. Polyzoa, Crag. 27 and 28).—*Cheilostomata-Inarticulata.*

M. appressa, Busk (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Etheridge, jun. <i>loc. cit.</i> p. 11.	Mount Gambier, S. Australia.
M. bidens, Hagenow.	Mt. Gambier Series(L. or M. Ter.?).	*Bryozoa Maës. Kreideb. p. 9, t. 11, f. 16; Busk, *Mon. Foss. Polyzoa, Crag. 1852, pt. 1, p. 34, t. 2, f. 4; <i>id. Quart. Jour. Geol.</i>	Mount Gambier, S. Australia.

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(Polyzoa.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>M. Cyclops, Busk.</i>	Mt. Gambier Series (L. or M. Ter.?).	Soc. 1860, xvi. p. 260; Woods, <i>ibid.</i> 1865, xxi. p. 394; Etheridge, jun. <i>Synopsis Austr. Tert. Polyzoa</i> , 1877, p. 11. *Brit. Mus. Cat. Polyzoa, 1854, pt. 2, p. 61, t. 65, f. 3; Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Woods, <i>ibid.</i> 1865, xxi. p. 391; Etheridge, jun. <i>loc. cit.</i> p. 11.	Mount Gambier, S. Australia. Muddy Creek, Vict.
<i>M. stenostoma, Busk.</i>	Mt. Gambier Series (L. or M. Ter.?).	*Brit. Mus. Cat. Polyzoa, 1854, pt. 2, p. 60, t. 100, f. 1; Quart. Jour. Geol. Soc. 1860, xvi. p. 260; Woods, <i>ibid.</i> 1865, xxi. p. 394; Etheridge, jun. <i>loc. cit.</i> p. 11.	Mount Gambier, S. Australia.

Genus *Onchopora, Busk*, 1855. (Quart. Jour. Micro. Sc. III. p. 920.)
Cheilostomata-Articulata.

<i>O. pustulosa, Busk.</i>	Mt. Gambier Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 260; <i>?Cellaria, Stoliczka</i> , Pal. Neu-Seeland, 1865, p. 149; Etheridge, jun. <i>loc. cit.</i> p. 5.	Mount Gambier, S. Australia.
<i>O. vertebralis, Stoliczka.</i>	Schnapper Pt. Series = Oligocene (L. Ter.).	<i>Spiroporina</i> , *Pal. Neu-Seeland, 1865, p. 106, t. 17, f. 6 and 7; R. Etheridge, jun. <i>Trans. R. Soc. Vict.</i> 1874, xi. p. 14; <i>id. Synopsis Austr. Tert. Polyzoa</i> , 1877, p. 6.	Schnapper Point, Hobson's Bay, Vict.

Genus *Psileschara, Busk*, 1860. (Quart. Jour. Geol. Soc. xvi. p. 261; Quart. Jour. Micro. Sc. 1861, n. ser. I. p. 79.)—*Cheilostomata-Inarticulata.*

<i>P. pustulosa, Busk</i> (ms.).	Mt. Gambier Series.	<i>l. c. p. 261.</i>	Mount Gambier, S. Australia.
<i>P. subsulcata, Busk</i> (ms.).	Mt. Gambier Series.	<i>l. c. p. 261.</i>	Mount Gambier, S. Australia.

Genus *Pustulipora, de Blainville*, 1830. (Dict. Sc. Nat. p. 382.)
Cyclostomata-Inarticulata.

<i>P. corrugata, Tenison-Woods.</i>	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 150.	Mount Gambier, S. Australia.
<i>P. distans, Busk</i> (ms.).	Mt. Gambier Series (L. or M. Ter.?).	Quart. Jour. Geol. Soc. 1860, xvi. p. 261; Etheridge, jun. <i>loc. cit.</i> p. 18; (<i>=Entalophora Haastiana</i> , Stol. Pal. Neu-Seeland, 1865, p. 102, t. 17, f. 4 and 5.)	Mount Gambier, S. Australia.
<i>P. unguilata, Tenison-Woods.</i>	Mt. Gambier Series.	*Jour. R. Soc. N. S. Wales, 1877, x. p. 150.	Mount Gambier, S. Australia.

(Polyzoa.)	(Tertiary.)		
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Retepora, <i>Imperato</i>, 1672. (Hist. Nat. p. 630; Busk, Mon. Foss. Polyzoa, Crag. 1859, p. 78.)—Cheiostomata-Inarticulata.			
R. disticha, <i>Sturt.</i>	Schnapper Pt.	?Vide <i>Hornera Gambierensis</i> , Busk.	
R. Maccoyana, <i>Etheridge, jun.</i>	Series = Oligocene (L. Ter.).	Smyth's Progress Report, 1874, i. pp. 35 and 36; Etheridge, jun. *Trans. R. Soc. Vict. 1874, xi. p. 14; Etheridge, jun. Synopsis Austr. Tert. Polyzoa, 1877, p. 11.	Schnapper Point, Vict.
R. monilifera, <i>P. H. M'Gillivray.</i>	Mt. Gambier Series (L. or M. Ter.?).	*Trans. Phil. Inst. Vict. 1860, iv. pt. 2, p. 168, t. 3, f. 6—9; Woods, Quart. Jour. Geol. Soc. 1865, xxi. p. 394; Etheridge, jun. loc. cit. p. 12.	Mount Gambier, S. Australja.
R. vibicata, <i>Sturt</i> (non Goldfuss).	Mt. Gambier Series (L. or M. Ter.?).	Two Expeds. Int. S. Austr. 1832, ii. p. 254, t. 3, f. 7; <i>Retepora, sp.</i> Woods, Geol. Obs. S. Austr. 1862, p. 74 (? = R. <i>Beaniana</i> (King), Stoliczka, *Pal. New Zealand, 1865, p. 124); Etheridge, jun. loc. cit. p. 12.	Murray Riv. Cliffs, and Mt. Gambier, S. Australia.
Genus Salicornaria, <i>Cuvier</i>, 1817 (Règne Anim. iv. p. 75) = <i>Farcimia</i>, Fleming. Cheiostomata-Articulata.			
S. gracilis, <i>Busk.</i>	Mt. Gambier Series (L. or M. Ter.?).	*Brit. Mus. Cat. Polyzoa, 1852, pt. 1, p. 17, t. 68, f. 3, t. 65 (bis), f. 2; Woods, Trans. R. Soc. Vict. vi. p. 4; Etheridge, jun. loc. cit. p. 6.	Mount Gambier, S. Australia.
S. Parkeri, <i>Busk</i> (ms.).	Mt. Gambier Series.	Quart. Jour. Geol. Soc. 1860, xvi. p. 260.	Mount Gambier, S. Australia.
S. sinuosa, <i>Hassall.</i>	Mt. Gambier Series; Hamilton Series; Table Cape Series; Murray Cliffs Series (L. or M. Ter.?).	<i>Farcimia</i> , *Annals Nat. Hist. 1841, vi. p. 172, t. 6, figs. 1 and 2; <i>S. farciminoidea</i> (var.), Busk, *Brit. Mus. Cat. Polyzoa, 1852, pt. 1, p. 16; <i>S. sinuosa</i> , ibid. *Mon. Foss. Polyzoa, Crag. 1859, p. 23, t. 21, f. 5; <i>Glaucomea rhombifera</i> , Sturt, *Two Expeds. Int. S. Austr. 1832, ii. p. 254, t. 3, f. 5; <i>S. sinuosa</i> , Busk, Quart. Jour. Geol. Soc. 1860, xvi. p. 260; id. Woods, Geol. Obs. S. Austr. 1862, t. 1, f. 5; id. ibid. Quart. Jour. Geol. Soc. 1865, xxi. p. 394; id. ibid. *Trans. R. Soc. Vict. vi. p. 4, t. 1, f. 1; Johnston, Notes, Terti. Beds, Table Cape, Tas. 1876, p. 31; Etheridge, jun. loc. cit. p. 6.	Mount Gambier; Cliffs of Murray River, S. Austr. Muddy Creek, nr. Hamilton, Vict. Table Cape, Tas.
S. tenuirostris, <i>Busk.</i>	Mt. Gambier Series (L. or M. Ter.?).	*Brit. Mus. Cat. Polyzoa, 1852, pt. 1, p. 17, t. 63, f. 4; Woods, Trans. R. Soc. Vict. vi. p. 4.	Mount Gambier, S. Australia.

(Polyzoa—Brachiopoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Genus *Scutularia*, *Busk* (ms.), 1860. (Quart. Jour. Geol. Soc. xvi. 261.)
Cheilostomata-Inarticulata.

S. prima, <i>Busk</i> (ms.).	Mt. Gambier Series.	<i>l. c. p. 261.</i>	Mount Gambier, S. Australia.
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Genus *Tubulipora*, *Lamarck*, 1816. (Histoire Nat. Anim. s. Vertèb. n. p. 161 ;
Busk, Mon. Foss. Polyzoa, Crag. 1859, p. 110).—*Cyclostomata-Tubuliporidae.*

T. Gambierensis, Tenison-Woods.	Mt. Gambier Series.	* <i>Jour. R. Soc. N. S. Wales</i> , 1877, x. p. 150.	Mount Gambier, S. Australia.
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Class—Brachiopoda.

Genus *Rhynchonella*, *Fischer*, 1809 (see p. 21).—*Clistenterata-Rhynchonellidae.*

R. cælata, <i>M'Coy</i> (ms.).		Fide Woods (<i>in lit.</i>).	
R. lucida, <i>Gould.</i>	Table Cape Series (L. or M. Ter.?).	* <i>Proc. Boston Nat. Hist. Soc.</i> 1860, vii. p. 828 ; <i>A. Adams</i> , * <i>Annals Nat. Hist.</i> 1863, xi. p. 100 ; <i>Davidson</i> , <i>Proc. Zool.</i> <i>Soc.</i> 1871, p. 809, t. 81, f. 18 and 14 ; <i>M'Coy</i> , <i>Annals Nat.</i> <i>Hist.</i> 1867, xx. p. 195 ; <i>id.</i> <i>Smyth's Progress Report</i> , 1874, p. 36 ; <i>Woods</i> , <i>Proc. R. Soc.</i> <i>Tas.</i> (for 1875), 1876, p. 15.	Table Cape, Tas. Victoria.

Genus *Terebratella*, *d'Orbigny*, 1847. (Comptes Rendus, xxv. p. 269 ; *Davidson*,
Introduction, p. 65).—*Clistenterata-Terebratulidae.*

T. compta, <i>G. B.</i> <i>Sowerby.</i>	Mt. Gambier Series (L. or M. Ter.?), &c.	<i>Terebratula</i> , <i>sp.</i> <i>Sturt</i> , Two Expds. <i>Int. S. Australia</i> , 1832, II. p. 254, t. 8, f. 15 ; <i>T. compta</i> , <i>G. B. Sow.</i> * <i>Strzelecki's Phys.</i> <i>Descript. N. S. Wales</i> , &c. 1845, p. 297, t. 19, f. 4 ; <i>id. Woods</i> , <i>Geol. Obs. S. Austr.</i> 1862, pp. 74 and 121, figs. ; <i>id. ibid.</i> * <i>Tert.</i> <i> Rocks, S. Australia</i> , pt. 3, <i>Brachiopoda</i> , f. 4 A to E ; <i>Terebratella</i> , <i>R. Etheridge</i> , jun. * <i>Annals Nat. Hist.</i> 1876, xvii. p. 19, t. 2, f. 5 a—d.	Mount Gambier, S. Australia. Spring Creek, Vict.
T. Tenisoni, <i>Tenison-</i> <i>Woods.</i>	Mt. Gambier Series (L. or M. Ter.?).	* <i>Tert. Rocks of S. Australia</i> , pt. 8, <i>Brachiopoda</i> , f. 5, A to E, and f. 6 ; <i>Johnston</i> , <i>Notes, Tert.</i> <i>Beds, Table Cape, Tas.</i> 1876, p. 31.	Mount Gambier, S. Australia.

(Brachiopoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Terebratula</i> , <i>Lloyd</i> , 1699 (see p. 61).— <i>Clistenterata-Terebratulidae</i> .			
<i>T. compacta</i> , <i>G. B. Sowerby</i> .		Vide <i>Terebratella</i> .	
<i>T. Corioensis</i> , <i>M'Coy</i> (ms.).		Vide <i>Waldheimia Gambierensis</i> , Eth. jun.	
<i>T. Tateana</i> , <i>Tenison-Woods</i> .	Table Cape Series.	Fide Woods (<i>in lit.</i>).	Table Cape, <i>Tas.</i>
<i>T. vitreoides</i> , <i>Tenison-Woods</i> .	Table- Cape Series.	Fide Woods (<i>in lit.</i>).	Table Cape, <i>Tas.</i>
Genus <i>Terebratulina</i> , <i>d'Orbigny</i> , 1847. (Comptes Rendus, xxv. p. 268; Pal. Franç. Ter. Cret. 1847, rv. p. 56; Davidson, Introduction, p. 63.) <i>Clistenterata-Terebratulidae</i> .			
<i>T.?</i> <i>Davidsoni</i> , <i>R. Etheridge, jun.</i>	Mt. Gambier Series.	*Annals Nat. Hist. 1876, xvii. p. 16, pl. 1, f. 1 a—c.	Mount Gambier, <i>S. Australia</i> .
Genus <i>Waldheimia</i> , <i>King</i> , 1850. (Mon. Perm. Foss. England, p. 145; Davidson, Introduction, p. 64).— <i>Clistenterata-Terebratulidae</i> .			
<i>W. Corioensis</i> , <i>M'Coy</i> .	Hamilton Series (L. or M. Ter.?), &c.	*Geol. Survey, Vict. Dec. v. 1877, p. 11, t. 48, f. 1—3; non <i>Terebratula Corioensis</i> , <i>M'Coy</i> (ms.).	Muddy Ck.; Bird Rock; Corio Bay, <i>Vict.</i>
<i>W. Crouchii</i> , <i>Tenison-Woods</i> .	Mt. Gambier Series.	*Tert. Rocks of S. Australia, pt. 3, Brachiopoda, p. 12, f. 2.	Mount Gambier, <i>S. Australia</i> .
<i>W. Gambierensis</i> , <i>R. Etheridge, jun.</i>	Mt. Gambier Series; Table Cape Series (L. or M. Ter.?).	*Annals Nat. Hist. 1876, xvii. p. 19, t. 2, f. 4 a—d; Johnston, Notes, Tert. Beds, Table Cape, Tas. 1876, p. 31; <i>Terebratula Corioensis</i> , <i>M'Coy</i> (ms.), Smyth's Progress Rep. 1874, p. 36.	Mount Gambier, <i>S. Australia</i> . Mount Gambier, <i>S. Australia</i> . Table Cape, <i>Tas.</i>
<i>W. Garibaldiana</i> , <i>Davidson</i> .	Mt. Gambier Series (L. or M. Ter.?).	*Geologist, 1862, v. p. 446, t. 24, f. 19; R. Etheridge, jun. *Annals Nat. Hist. 1876, xvii. p. 17, t. 1, f. 2 a and b.	Mount Gambier, <i>S. Australia</i> .
<i>W. grandis</i> , <i>Tenison-Woods</i> .	Mt. Gambier Series.	*Tert. Rocks of S. Australia, pt. 3, Brachiopoda, p. 12, f. 1 a and b.	Mount Gambier, <i>S. Australia</i> .
<i>W. imbricata</i> , <i>Tenison-Woods</i> .	Mt. Gambier Series.	*Tert. Rocks of S. Australia, pt. 3, Brachiopoda, p. 12, f. 3 a and b.	Mount Gambier, <i>S. Australia</i> .
<i>W. macropora</i> , <i>M'Coy</i> .	Schnapper Point Series = Oligocene (L. Ter.), Flemington Beds (Up. Ter.?).	Smyth's Progress Report, 1874, p. 36; *Geol. Survey, Vict. Dec. v. 1877, p. 12, t. 48, f. 4 and 6 (? = <i>W. Garibaldiana</i> , Dav.).	Flemington, Mount Eliza, &c. <i>Vict.</i>
<i>W. Taylori</i> , <i>R. Etheridge, jun.</i>	Murray Cliffs Series.	*Annals Nat. Hist. 1876, xvii. p. 18, t. 1, f. 3 a—c.	Murray Cliffs, <i>S. Australia</i> .

(Pelecypoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Section—Mollusca proper.

Class—Pelecypoda (Lamellibranchiata, or Conchifera).

Genus *Cardita*, *Bruguière*, 1789. (Encycl. Méthod. i. p. 401; Lamarck, Histoire, 1819, vi. p. 20; Stoliczka, Pal. Indica, iii. p. 283.)—*Lucinacea-Astartidae*.

C. *gracillicostata*, *Tenison-Woods*.—Table Cape | *Notes, Tertiary Foss. Tas. 1876, | Table Cape, *Tas.* Series. | p. 60.

Genus *Cardium*, *Linnæus*, 1758 (see p. 68).—*Veneracea-Cardiidae*.

C. *pseudo-magnum*, *M'Coy*.—M. Ter. (Mio-
cene?).—Smyth's Progress Report, 1874, | Bird Rock Bluff,
p. 36; *Geol. Survey, Vict. | Vict.
Dec. v. 1877, p. 15, t. 44, f. 1.

Genus *Chama*, *Linnæus*, 1758. (Syst. Nat. ed. 10, i. p. 691; Lamarck, Histoire, 1819, vi. p. 92; Stoliczka, Pal. Indica, iii. p. 230.)—*Chamacea-Chamidae*.

C. *lamellifera*, *Tenison-Woods*.—Table Cape | *Notes, Tertiary Foss. Tas. 1876, | Table Cape, *Tas.* Series. | p. 62.

Genus *Chione*, *Mühlefel*, 1811. (Naturf. Freunde, Berlin Mag. v. p. 51; Stoliczka, Pal. Indica, iii. p. 148.)—*Veneracea-Veneridae*.

C. *Cainozoica*, *Tenison-Woods*.—Table Cape | *Notes, Tertiary Foss. Tas. 1876, | Table Cape, *Tas.* Series (L. or M. Ter.?). | p. 61.

C. *propinqua*, *Tenison-Woods*.—Table Cape | *Notes, Tertiary Foss. Tas. 1876, | Table Cape, *Tas.* Series. | p. 61.

Genus *Corbis*, *Cuvier*, 1817. (Le Règne Animal, ii. p. 480.)—*Lucinacea-Lucinidae*.

C. *lamellosa*, *Sturt*.—Mt. Gambier | Two Expds. Int. S. Austr. 1832, | Cliffs of Murray R.
Series (L. or M. Ter.?). | ii. p. 254; Woods, Geol. Obs. S. | S. Australia.
Austr. 1862, p. 105. (= *Lucina lamellosa*, Lamarck, *Ann. Mus. séum, vii. p. 237; *Corbis*, Deshayes, *Descr. Coqu. Foss. i. p. 88, t. 14, figs. 1-8.)

Genus *Corbula*, *Bruguière*, 1792. (Tabl. Encycl. Méthod. pl. 230; Lamarck, Prodrome, 1799, p. 89.)—*Myacea-Myidae*.

C. *Gallica*, *Sturt*.—Mt. Gambier | Two Expds. Int. S. Austr. 1832, | Cliffs of Murray R.
Series (L. or M. Ter.?). | ii. p. 254; Woods, Geol. Obs. S. | S. Australia.
Austr. 1862, p. 105. (= *C. Gallica*, Lamk. *Ann. Muséum, viii. p. 466.)

(Pelecypoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>C. sulcata</i> , Lamarck.	Schnapper Pt. Series=Oligocene (L. Ter.). Table Cape Series (M. or L. Ter.?).	Système, 1801, p. 137; Histoire, 1818, v. p. 495; M'Coy, Annals Nat. Hist. 1865, xvi. p. 114; <i>ibid.</i> <i>id.</i> 1867, xx. p. 195; <i>ibid.</i> Smyth's Progress Report, 1874, p. 35; <i>ibid.</i> <i>id.</i> 1876, iii. p. 71; Woods, Proc. R. Soc. Tas. (for 1875) 1876, p. 16.	Schnapper Point, Vict. Table Cape, Tas.

Genus *Crassatella*, Lamarck, 1799. (Prodrome, p. 85; Système, 1801, p. 119.)
Lucinacea-Crassatellidae.

<i>C. aphrodina</i> , Tenison-Woods.	Table Cape Series (L. or M. Ter.?).	*Proc. R. Soc. Tas. for 1875 (1876), pp. 17 and 24, f. 12.	Table Cape, Tas.
<i>C. oblonga</i> , Tenison-Woods.	Table Cape Series (L. or M. Ter.?).	*Proc. R. Soc. Tas. for 1875 (1876), pp. 17 and 25, f. 11.	Table Cape, Tas.

Genus *Cucullaea*, Lamarck, 1801 (see p. 107).—*Arcacea-Arcidae.*

<i>C. Cainozoica</i> , Tenison-Woods.	Table Cape Series (L. or M. Ter.?).	*Notes, Tertiary Foss. Tas. 1876, p. 59; Johnston, Notes, Tertiary Beds, Table Cape, 1876, p. 36.	Table Cape, Tas. Flinders' Is., Bass' Straits.
<i>C. concamerata</i> (Martini), Reeve.	Table Cape Series, &c. (L. or M. Ter.?).	*Conch. Icon. 1870, xvii. Mon. Cucullaea, t. 1, f. 1; M'Coy, Annals Nat. Hist. 1867, xx. p. 195; <i>id.</i> Smyth's Progress Report, 1874, i. p. 36; Woods, Proc. R. Soc. Tas. for 1875 (1876), p. 15.	Mordialloc, Vict. Table Cape, Tas.
<i>C. Corioensis</i> , M'Coy.	Schnapper Pt. Series=Oligocene (L. Ter.). Table Cape Series, &c.	*Geol. Survey, Vict. Dec. iii. 1876, p. 32, t. 27, f. 3—5 b; Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 33.	Corio Bay, Mordialloc, Mount Martha, Vict. Table Cape, Tas.
<i>C. granulosa</i> , Jonas.		Proc. Zool. Soc. 1846, p. 34; Reeve, Conch. Icon. 1870, xvii. Mon. Cucullaea, t. 1, f. 2; M'Coy, Annals Nat. Hist. 1867, xx. p. 195; <i>id.</i> Smyth's Progress Report, 1874, i. p. 36.	Mordialloc, Vict.

Genus *Hinnites*, Defrance, 1821. (Dict. Sc. Nat. xx. p. 169).—*Ostracea-Pectinidae.*

<i>H. Corioensis</i> , M'Coy (ms.).		Smyth's Progress Report, 1874, p. 36.
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Genus *Liima*, Bruguière (see p. 109).—*Ostreacea-Radulidae.*

<i>L. Bassii</i> , Tenison-Woods.	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 60.	Table Cape, Tas.
<i>L. squamosa</i> , Tenison-Woods (ms.).	Table Cape Series.	Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 34.	Table Cape, Tas.

(Pelecypoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Limatula</i> , <i>Searles Wood</i> , 1839. (Mag. Nat. Hist. III. pp. 233 and 235 ; <i>Stoliczka</i> , Pal. Indica, III. p. 413.)— <i>Ostreacea-Radulidae</i> .			
<i>L. subauriculata</i> , <i>Montagu</i> .	Table Cape Series (L. or M. Ter.?).	<i>Pecten</i> , Test. Brit. Supp. 1808, p. 63, t. 29, f. 2; <i>Limatula</i> , Woods, Notes, Tertiary Foss. Tas. 1876, p. 61.	Table Cape, Tas.
Genus <i>Limopsis</i> , <i>Sassi</i> , 1827 (Giornale Ligustico de Sci. Lettre e. Arti !) = <i>Trigonocælia</i> , <i>Myst. et Galeotti</i> ; <i>Pectunculina</i> , <i>d'Orbigny</i> , 1844. <i>Arcacea-Arcidae</i> .			
<i>L. aurita</i> , <i>Brocchi</i> .	<i>L. Ter.</i> (Oligocene), &c.	<i>Arcæ</i> , *Conch. Foss. Subap. II. p. 485, t. 11, f. 9; <i>Limopsis</i> , <i>M'Coy</i> , Annals Nat. Hist. 1865, xvi. p. 114; <i>ibid. id.</i> 1876, xx. p. 195; <i>ibid. Smyth's Progress Report</i> , 1874, p. 36; <i>ibid. Geol. Survey</i> , Vict. Dec. II. 1875, p. 23, t. 19, figs. 5—7.	Bird Rock, near Geelong; Morn- ington, Vict.
<i>L. Belcheri</i> , <i>Adams</i> and <i>Reeve</i> .	<i>L. Ter.</i> (Oligocene), &c.	<i>Pectunculus</i> , * <i>Voy. Samarang. Zool. Moll.</i> 1850, p. 76, t. 22, f. 5; <i>M'Coy</i> , Annals Nat. Hist. 1865, xvi. p. 114; <i>ibid. id.</i> 1867, xx. p. 195; <i>Woods, Trans. R. Soc. Vict.</i> VIII. p. 44; <i>M'Coy</i> , <i>Smyth's Progress Report</i> , 1874, p. 36; <i>id. Geol. Survey</i> , Vict. Dec. II. 1875, p. 25, t. 19, figs. 8 and 9.	Bird Rock Bluff, nr. Geelong; Corio Bay; Muddy Ck. Vict.
Genus <i>Lyonsia</i> , <i>Turton</i> , 1822. (Conch. Syst. Brit. ! <i>Stoliczka</i> , Pal. Indica, III. p. 65.) <i>Myacea-Anatinidae</i> .			
<i>L. Agnewi</i> , <i>Tenison-Woods</i> .	Table Cape Series.	* <i>Proc. R. Soc. Tas. for 1875</i> (1876), p. 25, f. 13.	Table Cape, Tas.
Genus <i>Nucula</i> , <i>Lamarek</i> , 1799 (see p. 73).— <i>Arcacea-Nuculidae</i> .			
<i>N. Marthæ</i> , <i>M'Coy</i> .	Oldest G. D. (=L. Pliocene?).	* <i>Smyth's Progress Report</i> , 1875, II. p. 22, f. 2; <i>id. ibid. 1876</i> , III. p. 49; <i>Couchman's Progress Report</i> , 1877, IV. p. 155.	Weleome Bush, nr. Stawell, Vict.
<i>N. tumida</i> , <i>Tenison-Woods</i> (non <i>Phill.</i>).	Table Cape Series.	* <i>Notes, Tertiary Foss. Tas.</i> 1876, p. 59.	Table Cape, Tas.
<i>N. sp. ind.</i>	Murray River Series (L. or M. Ter.?).	<i>Sturt, Two Expeds. Int. S. Austr.</i> 1832, II. p. 254, t. 8, f. 12.	Cliffs of Murray R. S. Australia.

Genus *Nuculana*, *Link*, 1807 (see p. 74).—*Arcacea-Nuculanidae*.

<i>N. crebricostata</i> , <i>Tenison-Woods</i> .	Table Cape Series.	<i>Leda</i> , * <i>Notes, Tertiary Foss. Tas.</i> 1876, p. 60.	Table Cape, Tas.
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(Pelecypoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Ostrea</i> , Linnaeus, 1758 (see p. 111).— <i>Ostracea-Ostreidae</i> .			
<i>O. elongata</i> , Sturt.	Mt. Gambier Series; Murray River Series (L. or M. Ter.?).	*Two Expds. Int. S. Austr. 1832, II. p. 254; Woods, Geol. Obs. S. Austr. 1862, p. 106; (? = <i>O. elongata</i> , Deshayes, *Descr. Coqu. Foss. 1824, I. p. 348, t. 49, figs. 3, 4.)	Cliffs of Murray R. and Mt. Gambier, S. Australia.
Genus <i>Pecten</i> , O. F. Müller, 1776 (see p. 76).— <i>Ostracea-Pectinidae</i> .			
<i>P. coarctatus</i> , Sturt.	Mt. Gambier Series; Murray River Series (L. or M. Ter.?).	*Two Expds. Int. S. Austr. 1832, p. 254, t. 3, f. 13; Woods, Geol. Obs. S. Austr. 1862, p. 76, fig.; <i>ibid.</i> Quart. Jour. Geol. Soc. 1865, xxi. pp. 391 and 393; <i>ibid.</i> Trans. R. Soc. Vict. vi. p. 6; (? = <i>P. coarctatus</i> , Defrance, *Dict. Sc. Nat. xxviii. p. 255; <i>Ostrea coarctata</i> , Brocchi, Conch. Foss. Subap. II. p. 574, t. 14, f. 9.)	Cliffs of Murray R.; Mount Gambier, S. Australia. Munday Ck. Vict.
<i>P. laticostatus</i> , J. E. Gray.		Vide <i>Vola laticostata</i> .	
<i>P. Yahliensis</i> , Tenu-son-Woods.	M. Ter. (Miocene?).	*Proc. Phil. Soc. Adelaide 1865, t. 1, f. 21; M'Coy, in Couchman's Progress Report, 1877, iv. p. 16; var. <i>semilævis</i> , <i>id.</i> *Geol. Survey, Vict. Dec. 1876, p. 18, t. 34.	Harrow; Corio Bay, Vict. ?Mount Gambier, S. Australia.
<i>P. sp. ind.</i>	Mt. Gambier Series, &c. (L. or M. Ter.?).	Sturt, *Two Expds. Int. S. Austr. 1832, p. 254, t. 3, f. 14; Woods, Geol. Obs. S. Austr. 1862, p. 74, fig.	Cliffs of Murray R. and Mt. Gambier, S. Australia.
Genus <i>Pectunculus</i> ¹ , Lamarck, 1799 (Prodrome, p. 87; Système, 1801, p. 115), non Adanson, 1757; ? = <i>Axinea</i> , Poli, 1791.— <i>Arcacea-Arcidae</i> .			
<i>P. laticostatus</i> , Quoy and Gaimard.	Schnapper Pt. Series = Oligocene (L. Tert.?). Table Cape Series (L. or M. Ter.?), &c.	*Voy. de l'Astrolabe, Zool. III. t. 77, figs. 4—6; J. E. Gray, in Dieffenbach's *Travels in N. Zealand, 1843, II. p. 257; M'Coy, Ex. Essay, 1861, p. 169; <i>ibid.</i> Annals Nat. Hist. 1862, IX. p. 146; Wilkinson, Geol. Rept. C. Otway Dist. 1865, p. 23; M'Coy, Annals Nat. Hist. 1865, XVI. p. 114; <i>ibid.</i> 1867, XX. p. 194; Woods, Quart. Jour. Geol. Soc. 1865, xxi. p. 391; <i>ibid.</i> Trans. R. Soc. Vict. VIII. p. 45; Hutton, *Cat. Ter. Moll. and Echinodermata, N. Zealand, 1873, p. 28; von Martens, Cat. Marine Moll. N. Zealand,	Schnapper Point, Hobson's Bay; Bird Rock, near Geelong; Muddy Ck. near Hamilton, Vict. Table Cape, Tas.

¹ *Pectunculus*.—This name was first used by Adanson, in 1757 (*Voy. Sénégai*, p. 240), and again by Lamarck, in 1799, but in a different sense. The Lamarckian genus appears to be identical with *Axinea*, Poli, 1791 (*Tegacea u. Sicilia*), which has precedence of it, and should therefore take the place of *Pectunculus*, Lamarck (non Adanson).

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(Pelecypoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		1873, p. 80; M'Coy, Smyth's Progress Rept. 1874, p. 35; <i>id.</i> "Geol. Survey, Vict. Dec. II. 1875, p. 26, t. 19, figs. 10-14.	
Genus <i>Protocardium</i> , <i>Beyrich</i> , 1845. (Menke's Zeit. für Malakozool. 1845, pp. 17-20.) <i>Veneracea-Cardiidae</i> .			
P. <i>antisemigranula-</i> <i>tum</i> , <i>M'Coy</i> .	M. Ter. (Mio- cene?).	*Geol. Survey, Vict. Dec. v. 1877, p. 18, t. 44, f. 2 and 3.	Moorabool, Vict.
Genus <i>Solecurtus</i> , <i>Blainville</i> , 1824. (Dict. Sci. Nat. xxxii. p. 351.)— <i>Myacea-Solenidae</i> .			
S. <i>Legrandi</i> , <i>Tenison- Woods</i> .	Table Cape Series (L. or M. Ter.?).	*Proc. R. Soc. Tas. for 1875 (1876), pp. 17 and 25, f. 14.	Table Cape, Tas.
Genus <i>Spondylus</i> , <i>Klein</i> , 1759. (Tert. Meth. Ostrac. p. 136; Linnaeus, <i>Systema</i> , ed. 10, 1758, p. 690; Stoliczka, <i>Pal. Indica</i> , iii. p. 441.)— <i>Ostracea-Spondylidae</i> .			
S. <i>gadæropoides</i> , <i>M'Coy</i> .	Schnapper Pt. Series = Oli- gocene (L. Tert.).	Smyth's Progress Report, 1874, pp. 35 and 36; Couchman's, <i>id.</i> 1877, iv. p. 17; *Geol. Survey, Vict. Dec. iv. 1876, p. 27, t. 38, f. 1-1 d; Dec. v. 1877, p. 17, t. 45, f. 1 and 3.	Boggy Creek; Bird Rock Bluff; Schnapper Pt. Vict.
S. <i>pseudoradula</i> , <i>M'Coy</i> .	Schnapper Pt. beds = Oli- gocene (L. Ter.); Ham- ilton Series (L. or M. Ter.); Mor- dialloc Ser. (U. Ter.?).	*Geol. Survey, Vict. Dec. v. 1877, p. 17, t. 45, f. 2.	Mount Martha; Muddy Creek; Mordialloc, Vict.
S. <i>spinalosus</i> , <i>M'Coy</i> (ms.).	Schnapper Pt. Series = Oli- gocene (L. Tert.).	Smyth's Progress Report, 1874, p. 35.	Boggy Creek; Bird Rock Bluff; Schnapper Pt. Vict.
Genus <i>Tellina</i> , <i>Linnaeus</i> , 1758 (see p. 112).— <i>Tellinacea-Tellinidae</i> .			
T. <i>Cainozoica</i> , <i>Ten- son-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 61.	Table Cape, Tas.
T. <i>Krausei</i> , <i>M'Coy</i> .	Oldest G. D. (=L. Plio- cene?).	*Smyth's Progress Report, 1875, ii. p. 22, f. 3; <i>id. ibid.</i> 1876, p. 49; Couchman's Progress Report, 1877, iv. p. 155.	Welcome Rush, nr. Stawell, Vict.
Genus <i>Trigonia</i> , <i>Bruguière</i> , 1789 (see p. 113).— <i>Arcacea-Trigoniidae</i> .			
T. <i>acuticostata</i> , <i>M'Coy</i> .	Schnapper Pt. Series = Oli- gocene (L. Tert.).	T. <i>Lamarkii</i> , Jenkins (non Mathn.), *Geol. Mag. 1866, iii. p. 201, t. 10, figs. 3-7; T. <i>acuticostata</i> , M'Coy, * <i>ibid.</i> p. 482; <i>ibid. id.</i>	Cape Otway Coast; Mordialloc; Mud- dy Creek; Schnap- per Point, Vict.

(Pelecypoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
	Hamilton Series (L. or M. Ter.?), &c.	Annals Nat. Hist. 1867, xx. p. 194; <i>T. Lamarckii</i> , Jenkins, Geol. Mag. 1868, v. p. 567; <i>T. acuticostata</i> , M'Coy, *Geol. Sur- vey, Vict. 1875, Dec. II, p. 21, t. 19, figs. 1 and 2; <i>id.</i> Annals Nat. Hist. 1876, xviii. p. 273.	
<i>T. Howitti</i> , M'Coy.	M. Ter. (Mio- cene?).	*Annals Nat. Hist. 1875, xv. p. 316, t. 18, f. B; *Geol. Sur- vey, Vict. Dec. III, p. 31, t. 27, f. 1 to 2 c.	Jemmy's Point, Gippsland Lakes, Vict.
<i>T. Lamarckii</i> , Jenkins (non Mathn.).		Vide <i>T. acuticostata</i> , M'Coy.	
<i>T. semiundulata</i> , M'Coy.	Table Cape Series (M. or L. Ter.?). Miocene? (M. Ter.).	Ex. Essay, 1861, p. 170; Annals Nat. Hist. 1862, ix. p. 147; <i>T. subundulata</i> , Jenkins, *Quart. Jour. Sci. 1865, II, p. 362, t. 8, f. 6; <i>T. semiundulata</i> , M'Coy, *Geol. Mag. 1866, III, p. 481; <i>ibid.</i> <i>id.</i> Annals Nat. Hist. 1867, xx. p. 194; <i>ibid.</i> Jenkins, Geol. Mag. 1868, v. p. 566; <i>ibid.</i> Stephens, Monthly Notices R. Soc. Tas. for 1869, p. 20; <i>ibid.</i> Hutton, Cat. Tert. Moll. and Echinodermata, N. Zealand, 1873, p. 27; <i>ibid.</i> M'Coy, Smyth's Progress Report, 1874, p. 35; <i>ibid.</i> <i>id.</i> *Geol. Survey, Vict. Dec. II, 1875, p. 22, t. 19, figs. 4 and 5; <i>ibid.</i> Woods, Proc. R. Soc. Tas. (for 1875) 1876, p. 16.	Bird Rock Bluff, near Geelong; Moorabool Riv., Vict. Table Cape, Tas.

Genus *Unio*, Retzius, 1788 (see p. 113).—*Unionacea-Unionidae*.

<i>U. Wilkinsoni</i> , Etheridge, jun. (ms.).	Oldest G. D. (=L. Plio- cene?).	<i>Unio</i> sp. Wilkinson, Annual Re- port Dep. Mines, N. S. Wales, for 1876, p. 172; <i>id.</i> Etheridge, jun. Geol. Mag. 1877, Dec. 2, IV, p. 286.	Gulgong, N. S. Wales.
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Genus *Venus*, Linnaeus, 1758 (see p. 79).—*Veneracea-Veneridae*.

<i>V. Allporti</i> , Tenison-Woods.	Table Cape Series (L. or M. Ter.?).	*Proc. R. Soc. Tas. for 1875 (1876), p. 26, f. 10.	Table Cape, Tas.
<i>V. levigata</i> , Sturt.	Mt. Gambier Series; Mur- ray River Se- ries (L. or M. Ter.?).	*Two Expds. Int. S. Austr. 1832, II, p. 254; Woods, Geol. Obs. S. Austr. 1862, p. 106. (? = <i>Cy- therea levigata</i> , Lamk. *Ann. Muséum, 1806, VII, p. 134.)	Cliffs of Murray R.; Mount Gambier, S. Australia.
<i>V. obliqua</i> , Sturt.	Murray River Series (L. or M. Ter.?).	*Two Expds. Int. S. Austr. 1832, II, p. 254; Woods, Geol. Obs. S. Austr. 1862, p. 106. (? = <i>V. obliqua</i> , Lamk. *Ann. Muséum, 1806, VII, p. 62.)	Cliffs of Murray R. S. Australia.

(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Vola</i> , <i>Klein</i> , 1753. (Tent. Meth. Ostrac. pt. 2, p. 135, no. 351.) <i>Ostreacea-Pectinidae</i> .			
<i>V. laticostata</i> , <i>J. E. Gray</i> .	Table Cape Series (L. or M. Ter.?).	<i>Pecten</i> , in Yate's "Account of N. Zealand, 1835, p. 310; <i>id. in Dieffenbach's Travels in N. Zealand, 1843, II. p. 260; P. Novæ Zeelandiæ</i> , Reeve, "Conch. Iconica, VIII. Mon. Genus <i>Pecten</i> , 1852, no. 36, t. 8, f. 36; <i>P. laticostatus</i> , Angas, Proc. Zool. Soc. 1865, p. 656; <i>Vola laticostata</i> , Hutton, "Cat. Marine Moll. N. Zealand, 1873, p. 82; <i>P. (Vola) id.</i> von Martens, Critical List Marine Moll. N. Zealand, 1873, p. 50; <i>Pecten</i> , Hutton, "Cat. Tert. Moll. and Echinodermata, N. Zealand, 1878, p. 30.	Table Cape, Tas.

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Genus *Acteon*, *de Montfort*, 1810 (see p. 113).

<i>A. scrobiculatus</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 50.	Table Cape, Tas.
Genus <i>Ancilla</i> , <i>Lamarck</i> , 1799 (Prodrome, p. 70; Système, 1801, p. 78; Adams, Genera, I. 1858, p. 148) = <i>Ancillaria</i> , Lamk. 1810.— <i>Prosobr.-Olividae</i> .			
<i>A. mucronata</i> , <i>G. B. Sowerby</i> .	Table Cape Series (L. or M. Ter.?).	<i>Ancillaria</i> , *Thes. Conch. III. p. 63, f. 11, 12, and 14; <i>id. Tenison-Woods</i> , Proc. R. Soc. Tas. 1875, p. 17; <i>id. Johnston</i> , Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 34.	Table Cape, Tas.

Genus *Buccinum*, *Linnæus*, 1758. (Systema, ed. 10, p. 784; Lamarck, Prodrome, 1799, p. 71; Système, 1801, p. 77; Histoire, 1822, VII. p. 262; Adams, Genera, I. 1858, p. 107.)—*Prosobr.-Buccinidae*.

<i>B. fragile</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 55.	Table Cape, Tas.
Genus <i>Bulla</i> , <i>Klein</i> , 1753. (Tent. Meth. Ostrac. p. 82; Linnaeus, 1758, Systema, ed. 10, p. 725; Lamarck, Prodrome, 1799, p. 75; <i>id. Histoire</i> , 1822, VI. pt. 2, p. 116; Adams, Genera, II. 1854, p. 15.)— <i>Opisthobr.-Bullidae</i> .			
<i>B. sp. ind.</i>	Murray River Series.	Sturt, Two Expeds. Int. S. Austr. 1832, II. t. 2, f. 2.	Murray R. Cliffs, S. Australia.

(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Genus <i>Calcar</i> , <i>Montfort</i> , 1810 (Conch. Syst. II. p. 185; Stoliczka, Pal. Indica, II. p. 357) = <i>Stella</i> (Klein), H. and A. Adams, 1854; ? <i>Turboidea</i> , Seeley, 1861. <i>Prosobr.-Turbinidae</i> .			
C. <i>Flindersi</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 43.	Table Cape, <i>Tas.</i>
C. <i>ornatissimum</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 44.	Table Cape, <i>Tas.</i>
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Genus <i>Cassidaria</i> , <i>Lamarck</i> , 1812. (Cours de Zool. I; Histoire, 1822, VII. p. 214; Stoliczka, Pal. Indica, II. p. 458.) — <i>Prosobr.-Cassididae</i> .			
C. <i>reticulospira</i> , <i>M'Coy</i> .	Schnapper Pt. Series = Oligocene (L. Ter.). Table Cape Series (L. or M. Ter.?).	Exhib. Essay, 1861, p. 169; Annals Nat. Hist. 1862, IX. p. 146; ibid. 1867, XX. p. 194; Smyth's Progress Report, 1874, p. 35; Tenison-Woods, Proc. R. Soc. Tas. for 1875 (1876), p. 17.	Schnapper Point, Vict. Table Cape, <i>Tas.</i>
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Genus <i>Cassis</i> , <i>Lamarck</i> , 1799. (Prodrome, p. 72; Histoire, 1822, VII. p. 218; Adams, Genera, I. 1853, p. 214.) — <i>Prosobr.-Cassididae</i> .			
C. <i>sufflatus</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 41.	Table Cape, <i>Tas.</i>
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Genus <i>Cerithium</i> , <i>Adanson</i> , 1757 (see p. 114).			
C. <i>Flemingtonensis</i> , <i>M'Coy</i> .	Flemington Series (L. Pliocene?).	*Geol. Survey, Vict. Dec. III. 1876, p. 28, t. 26, f. 3—9.	Flemington, Vict.
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Genus <i>Columbella</i> , <i>Lamarck</i> , 1799. (Prodrome, p. 70; Système, 1801, p. 75; Histoire, VII. 1822, p. 292; Adams, Genera, 1853, I. p. 181.) — <i>Prosobr.-Columbellinae</i> .			
C. <i>Cainozoica</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 58.	Table Cape, <i>Tas.</i>
C. <i>Oxleyi</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 59.	Table Cape, <i>Tas.</i>
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Genus <i>Cominella</i> , <i>J. E. Gray</i> , 1853. (Adams, Genera, I. p. 110; Guide Moll. Brit. Mus. 1857, p. 15.) — <i>Prosobr.-Buccinidae</i> .			
C. <i>cancellata</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 55.	Table Cape, <i>Tas.</i>
C. <i>lyraeostata</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 56.	Table Cape, <i>Tas.</i>

(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus CONUS, Linnaeus, 1758. (Systema, ed. 10, p. 712; Lamarck, 1799, Prodrome, p. 69; Adams, Genera, 1853, i. p. 247.)— <i>Prosobr.-Conidae.</i>			
C. ? sp. ind. (a).	Murray River Series.	Sturt, Two Expeds. Int. S. Austr. 1832, ii. p. 256, t. 2, f. 8.	Murray R. Cliffs, S. Australia.
C. ? sp. ind. (b).	Murray River Series (L. or M. Ter.?).	Sturt, Two Expeds. Int. S. Austr. 1832, ii. p. 256, t. 8, f. 26; Woods, Geol. Obs. S. Austr. 1862, p. 78.	Murray R. Cliffs, S. Australia.
Genus CYLICHNA, Lovén, 1846. (Index Moll. Scand. 1; Adams, Genera, 1854, ii. p. 9; Stoliczka, Pal. Indica, ii. p. 478.)— <i>Opisthobr.-Cylichnidae.</i>			
C. arachis, Quoy and Gaimard.	Table Cape Series (L. or M. Ter.?).	Bulla, Voy. de l'Astrolabe, Zoologie, ii. p. 361. Atlas, t. 26, f. 28—30; Sowerby, "Thes. Conch. ii. p. 590, t. 125, f. 133 and 134; Angas, Proc. Zool. Soc. 1867, p. 226; <i>Cylichna</i> , Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 86; <i>id.</i> Tenison-Woods, <i>ibid.</i> p. 50.	Table Cape, Tas.
Genus CYPRÆA, Linnaeus, 1758. (Systema, ed. 10, p. 718; Lamarck, Prodrome, 1799, p. 69; <i>id.</i> Histoire, 1822, vii. p. 372; Adams, Genera, 1854, i. p. 264; Stoliczka, Pal. Indica, ii. p. 49.)— <i>Prosobr.-Cypræidae.</i>			
C. Archeri, Tenison-Woods.	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876), p. 23, f. 9.	Table Cape, Tas.
C. eximia, G. B. Sowerby.	Schnapper Pt. Series = Oligocene (L. Ter.), &c.	Sztrelecki's "Phys. Descr. N. S. Wales, 1845, p. 296, t. 19, f. 1—8; Woods, Quart. Jour. Geol. Soc. 1865, xxi. p. 391; M'Coy, Smyth's Progress Report, 1874, p. 85; <i>C. (Cyprula)</i> , Gray, Proc. Zool. Soc. 1849, p. 125; <i>Cypræa</i> , R. Gunn, <i>ibid.</i> p. 124; <i>id.</i> Gray, Proc. R. Soc. V. D. Land, ii. p. 197; <i>C. (Aricia) eximia</i> , M'Coy, "Geol. Survey, Vict. Dec. III, p. 35, t. 28, t. 29, f. 2; <i>Cypræa</i> , Woods, Proc. R. Soc. Tas. for 1875 (1876), p. 15.	Schnapper Point; Reilley's Creek, near Hamilton, Vict.
C. gastroplax, M'Coy.	Schnapper Pt. Series = Oligocene (L. Ter.).	Annals Nat. Hist. 1867, xx. p. 194; Smyth's Progress Report, 1874, p. 85; *Geol. Survey, Vict. Dec. II. 1875, p. 20, t. 16, f. 1, t. 17 and t. 18, f. 2.	Schnapper Point, Vict.
C. gigas, M'Coy.	Schnapper Pt. Series = Oligocene (L. Tert.), &c.	Annals Nat. Hist. 1867, xx. p. 194, and p. *438; Smyth's Progress Report, 1874, p. 85; <i>C. (Aricia) gigas</i> , *Geol. Survey, Vict. Dec. II. 1875, p. 19, t. 15, t. 16, f. 2, t. 17 and 18, f. 1; <i>id.</i> <i>ibid.</i> Dec. III. 1876, p. 35, t. 28, t. 29, f. 1.	Schnapper Point; Muddy Ck. Vict.

(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>C. oviformis, Tenison-Woods.</i>	Mt. Gambier Series.	Geol. Obs. S. Austr. 1862, p. 83 (= <i>C. oviformis</i> , J. Sow. Min. Con. I. p. 17, t. 4).	Mount Gambier, S. Australia.
<i>C. platypya, M'Coy.</i>	Schnapper Pt. Series = Oligocene (L. Ter.).	Smyth's Progress Report, 1874, p. 35; <i>C. (Aricia)</i> , *Geol. Survey, Vict. Dec. III, 1876, p. 39, t. 30, f. 1—1c; <i>Cypraea</i> , Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 33.	Schnapper Point, Vict. Table Cape, Tas.
<i>C. platyrhyncha, M'Coy.</i>	M. Ter. (Miocene?); Table Cape Series (L. or M. Ter.?).	Smyth's Progress Report, 1874, p. 35; <i>C. (Aricia)</i> , *Geol. Survey, Vict. Dec. III, 1876, p. 40, t. 30, f. 2—2c; <i>Cypraea</i> , Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 33.	Bird Rock Point, Vict. Table Cape, Tas.

Genus *Cypraeovula*, Gray, 1824. (Zool. Jour. I. p. 75; Adams, Genera, 1854, p. 267; Gray, Guide Brit. Mus. 1857, pt. 1, p. 73.)—*Prosobr.-Cypraeidae*.

<i>C. eximia, G. B. Sowerby.</i>		Vide <i>Cypraea eximia</i> .	
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Genus *Daphnella*, Hinds, 1844. (Zool. Voy. H.M.S. Sulphur, II. Mollusca, p. 25; Adams, Genera, 1853, I. p. 97.)—*Prosobr.-Turritidae*.

<i>D. columbelloides, Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 53.	Table Cape, Tas.
<i>D. gracillima, Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 54.	Table Cape, Tas.
<i>D. tenuisculpta, Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 54.	Table Cape, Tas.

Genus *Delphinula*, Lamarck, 1804 (see p. 114).—*Prosobr.-Turbinidae*.

<i>D. tetragonostoma, Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 44.	
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Genus *Dentalium*, Linnaeus, 1740 (see p. 81).—*Prosobr.-Dentaliidae*.

<i>D. Kickxii, Nyst.</i>	Table Cape Series (L. or M. Ter.?).	*Descrip. Coq. Polyp. Foss. Terr. Tert. Belg. 1843, pt. 2, p. 342, t. 36, f. 1; Bull. Soc. Geol. xv. p. 454; <i>D. Mississippiensis</i> (Conrad), M'Coy, Annals Nat. Hist. 1865, xvi. p. 114; <i>D. Kickxii</i> (Nyst), et <i>D. Mississippiensis</i> (Conrad), id. ibid. 1867, xx. p. 193; <i>D. Kickxii</i> , M'Coy, Smyth's Progress Report, 1874, p. 36; id. Woods, *Proc. R. Soc. Tas. for 1875 (1876), p. 15; id. Deshayes, *Descrip. Anim. sans Vertèbres, II. p. 207, Atlas, t. 3, f. 1—4.	Table Cape, Tas. Victoria.
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(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
D. lacteum, <i>Des- hayes.</i>	Table Cape Series (L. or M. Ter.?).	*Mon. Dentalium, p. 42, t. 2, f. 28; Deshayes and Edwards, La- marck's Histoire Nat. Anim. s. Vert. 1838, v. p. 597; Catlow and Reeve, Conch. Nomencla- tor, 1845, p. 91; Temison-Woods, "Proc. R. Soc. Tas. for 1875 (1876), p. 17.	Table Cape, Tas.
Genus <i>Emarginula</i> , <i>Lamarch</i> , 1801. (Système, p. 67; Histoire, 1822, vi. p. 5; Adams, Genera, 1854, i. p. 452; Stoliczka, Pal. Indica, ii. p. 391.) <i>Prosobr.-Fissurellidae.</i>			
E. transversa, <i>Ten- son-Woods.</i>	Table Cape Series (L. or M. Ter.?).	*Notes, Tertiary Foss. Tas. 1876, p. 51; <i>E. dilecta</i> , Angas (non A. Adams), Proc. Zool. Soc. 1867, p. 219.	Table Cape, Tas.
Genus <i>Eulima</i> , <i>Risso</i> , 1826. (Hist. Nat. Europe Mérid. iv. p. 123; Adams, Genera, 1853, i. p. 236.)— <i>Prosobr.-Eulimidae.</i>			
E. subulata, <i>Dono- van.</i>	Table Cape Series; Ham- ilton Series (L. or M. Ter.?).	<i>Turbo</i> , Nat. Hist. Brit. Shells, 1803, v. t. 172; <i>Helix</i> , Mon- tagu, Test. Brit., Supp. 1808, p. 142; <i>Phasianella</i> , Fleming, Brit. Animals, 1828, p. 301; <i>Eulima</i> , Catlow and Reeve, Conch. Nomenclator, 1845, p. 209; <i>id.</i> Deshayes and M. Edwards, Lamarck's Hist. Nat. Anim. s. Vertèb. 1838, VIII. p. 455; <i>id.</i> Seares Wood, "Mon. Crag. Moll. 1848, pt. 1, p. 97; <i>id.</i> Forbes and Hanley, "Hist. Brit. Moll. 1853, III. p. 285, t. 92, f. 7 and 8; <i>id.</i> Hörnes, "Foss. Moll. Tert.-Beekens Wien, 1856, 1 Bd. p. 547, t. 49, f. 20, a—c; <i>id.</i> Gwyn-Jeffreys, "Brit. Conch. 1867, IV. p. 208; <i>Eulimella</i> , Temison-Woods, Notes, Tertiary Foss. Tas. 1876, p. 50.	Table Cape, Tas. Muddy Creek, near Hamilton, Vict.
Genus <i>Fissurella</i> , <i>Bruguière</i> , 1789. (Encycl. Méthod. i. p. xiv.; Lamarck, Prodrome, 1799, p. 78; <i>id.</i> Système, 1801, p. 69; <i>id.</i> Histoire, 1822, vi. pt. 2, p. 8; Stoliczka, Pal. Indica, II. p. 392; Adams, Genera, 1854, I. p. 446.) <i>Prosobr.-Fissurellidae.</i>			
F. concatenata, <i>Crosse.</i>	Table Cape Series (L. or M. Ter.?).	*Jour. de Conchy. 1864, XII. p. 348; Woods, Notes, Tertiary Foss. Tas. 1876, p. 50.	Table Cape, Tas.

(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Genus *Fusus*, *Klein*, 1753. (Tent. Meth. Ostrac. pt. 1, p. 60; *Lamarck*, Prodrome, 1799, p. 73; *id.* Système, 1801, p. 82; *id.* Histoire, 1822, vii. p. 121; *Adams*, Genera, 1853, i. p. 78; *Stoliczka*, Pal. Indica, ii. p. 117.)
Prosobr.-Muricidae.

<i>F. gracillimus</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Proc. R. Soc. Tas. for 1875, p. 22.	Table Cape, <i>Tas.</i>
<i>F. Johnstonii</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 42.	Table Cape, <i>Tas.</i>
<i>F. Mereditthii</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876), f. 6.	Table Cape, <i>Tas.</i>
<i>F. pagodoides</i> , <i>M'Coy</i> (ms.).	Table Cape Series.	Smyth's Progress Report, 1874, p. 35.	Schnapper Point, <i>Vict.</i>
<i>F. Roblini</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876), p. 22, f. 7.	Table Cape, <i>Tas.</i>
<i>F. Tateana</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 42.	Table Cape, <i>Tas.</i>
<i>F. transenna</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 42.	Table Cape, <i>Tas.</i>

Genus *Gibbula* (*Leach*), *Risso*, 1826. (Hist. Nat. Europe Mérid. iv. p. 134; *Adams*, Genera, 1854, i. p. 431; *Stoliczka*, Pal. Indica, ii. p. 361.)
Prosobr.-Turbinidae.

<i>G. sequisulcata</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 46.	Table Cape, <i>Tas.</i>
<i>G. Clarkaei</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 62.	Table Cape, <i>Tas.</i>
<i>G. crassigranosa</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 46.	Table Cape, <i>Tas.</i>

Genus *Haliotis*, *Linnæus*, 1758. (Systema, ed. 10, p. 779; *Lamarck*, Système, 1801, p. 96; *Histoire*, 1822, vi. pt. 2, p. 212; *Adams*, Genera, 1854, i. p. 440.)
Prosobr.-Haliotidae.

<i>H. Flemingtonensis</i> , <i>M'Coy</i> (ms.).	Flemington Series (=L. Pliocene?).	Geol. Survey, Vict. Dec. iii. 1876, p. 25.	Flemington, <i>Vict.</i>
<i>H. Mooraboolensis</i> , <i>M'Coy</i> .	M. Ter. (Miocene?).	*Geol. Survey, Vict. Dec. iii. p. 25, t. 25, f. 3—3 b.	Moorabool River near Maud, <i>Vict.</i>
<i>H. naevosoides</i> , <i>M'Coy</i> .	Flemington Series (=L. Pliocene?).	*Geol. Survey, Vict. Dec. iii. p. 27, t. 26, f. 1—2 a.	Flemington, <i>Vict.</i>
<i>H. ovinaoides</i> , <i>M'Coy</i> .	M. Ter. (Miocene?).	*Geol. Survey, Vict. Dec. iii. p. 24, t. 25, f. 2—2 b.	Moorabool River near Maud, <i>Vict.</i>

Genus *Infundibulum*, *Montfort*, 1810 (Conch. Syst. ii. p. 166; *Stoliczka*, Pal. Indica, ii. p. 316) = *Trochita*, Schum. 1817.—*Prosobr.-Calyptraeidae.*

<i>I. calyptraeformis</i> , <i>Deshayes</i> .	Table Cape Series (L. or M. Ter.?).	<i>Trochita</i> , Johnston, Notes, Tertiary Beds, Table Cape, Tas. for 1876, p. 34.	Table Cape, <i>Tas.</i>
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(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Liotia, J. E. Gray, 1842. (Synop. Contents Brit. Mus. p. 57; Adams, Proc. Zool. Soc. 1850, p. 50; id. Genera, 1854, I. p. 404; Stoliczka, Pal. Indica, II. p. 350.)— <i>Prosobr.-Liotidae.</i>			
L. discoidea, Reeve.	Table Cape Series (L. or M. Ter.?).	Adams, Genera, 1854, I. p. 404; Woods, Notes, Tertiary Foss. Tas. for 1876, p. 50.	Table Cape, Tas.
L. lamellosa, Tenison-Woods.	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 44.	Table Cape, Tas.
Genus Mangelia (Leach), Risso, 1826. (Hist. Nat. Europe Mérid. IV. p. 219; Adams, Genera, 1853, I. p. 99.)— <i>Prosobr.-Pleurotomidae.</i>			
M. gracililirata, Tenison-Woods.	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 54.	Table Cape, Tas.
Genus Margarita, Leach, 1819. [Jour. Phys. LXXXVIII. p. 464; Stoliczka, Pal. Indica, II. p. 368; Adams, Genera, 1854, I. p. 488 (non Leach, 1814).]— <i>Prosobr.-Turbinidae.</i>			
M. Kekwickii, Tenison-Woods.	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 45.	Table Cape, Tas.
Genus Marginella, Lamarck, 1799. (Prodrome, p. 70; Système, 1801, p. 75; Histoire, 1822, VII. p. 354; Adams, Genera, 1853, I. p. 190.)— <i>Prosobr.-Volutidae.</i>			
M. octoplicata, Tenison-Woods.	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 57.	Table Cape, Tas.
M. strombiformis, Tenison-Woods.	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 57.	Table Cape, Tas.
M. Wentworthii, Tenison-Woods.	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 57.	Table Cape, Tas.
Genus Mitra, Lamarck, 1799. (Prodrome, p. 70; Système, 1801, p. 74; Histoire, 1822, VII. p. 297; Adams, Genera, 1853, I. p. 168.)— <i>Prosobr.-Volutidae.</i>			
M. sp. ind. (a).	Murray River Series, &c.	Sturt, Two Exps. Int. S. Austr. 1832, II. p. 255, t. 3, f. 28; Woods, Geol. Obs. S. Austr. 1862, p. 78.	Murray R. Cliffs, and Mount Gambier, S. Austr.
M. sp. ind. (b).	Murray River Series, &c.	Sturt, loc. cit. f. 24.	Murray R. Cliffs, S. Australia.
Genus Murex, Linnaeus, 1758. (Systema, ed. 10, p. 746; Lamarck, 1801; Système, p. 81; id. Histoire, 1822, VII. p. 155; Adams, Genera, 1853, I. p. 70.)— <i>Prosobr.-Muricidae.</i>			
M. asper, Tenison-Woods.	Mt. Gambier Series (L. or M. Ter.?).	Geol. Obs. S. Austr. 1862, p. 83, fig. (? = M. asper, Brander, Foss. Hantonensis, 1766, p. 35, t. 3, f. 77—79).	Mount Gambier, S. Australia.

(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>M. Eyeri, Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 41.	Table Cape, <i>Tas.</i>
<i>M. ? sp. ind.</i>	Murray River Series (L. or M. Ter.?).	Sturt, Two Expeds. Int. S. Austr. 1832, II. p. 255, t. 3, f. 21; Woods, Geol. Obs. S. Austr. 1862, p. 78, fig.	Murray R. Cliffs, and Mount Gambier, <i>S. Austr.</i>

Genus *Natica*, *Adanson*, 1757 (see p. 114).—*Prosobr.-Naticidae.*

<i>N. ovata, Hutton.</i>	Table Cape Series (L. or M. Ter.?).	*Cat. Tert. Moll. N. Zealand, 1873, p. 9; Woods, Proc. R. Soc. Tas. for 1875 (1876), p. 17.	Table Cape, <i>Tas.</i>
<i>N. polita, Tenison-Woods.</i>	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876), p. 23.	Table Cape, <i>Tas.</i>
<i>N. vixumbilicata, Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 59.	Table Cape, <i>Tas.</i>
<i>N. Wintleai, Tenison-Woods.</i>	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876), p. 23.	Table Cape, <i>Tas.</i>
<i>N. sp. ind. (a).</i>	Murray River Series.	Sturt, Two Expeds. Int. S. Austr. 1832, II. p. 255, t. 3, f. 17.	Murray R. Cliffs, <i>S. Australia.</i>
<i>N. sp. ind. (b).</i>	Murray River Series.	Sturt, Two Expeds. Int. S. Austr. 1832, II. p. 256, t. 3, f. 18.	Murray R. Cliffs, <i>S. Australia.</i>

Genus *Pleurotoma*, *Lamarck*, 1799. (Prodrome, p. 73; Système, 1801, p. 84; Histoire, 1822, VII. p. 90; Stoliczka, Pal. Indica, II. p. 67.)
Prosobr.-Pleurotomidae.

<i>P. Johnstonei, Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 53.	Table Cape, <i>Tas.</i>
<i>P. paracantha, Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 53.	Table Cape, <i>Tas.</i>
<i>P. pullulascens, Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 52.	Table Cape, <i>Tas.</i>
<i>P. sandleroides, Tenison-Woods.</i>	Table Cape Series.	Pleurot. (? <i>Mangelia</i>), *Notes Tertiary Foss. Tas. 1876, p. 52.	Table Cape, <i>Tas.</i>

Genus *Pleurotomaria*, *Defrance*, 1824 (see p. 85).

<i>P. Australis, M'Coy</i> (ms.).	Schnapper Pt. Series = Oligocene (L. Ter.).	Annals Nat. Hist. 1867, xx. p. 194; Smyth's Progress Report, 1874, p. 35.	Schnapper Point, <i>Vict.</i>
<i>P. Tertiaria, M'Coy.</i>		*Annals Nat. Hist. 1875, XVI. p. 101; *Geol. Survey, Vict. Dec. III. 1876, p. 23, t. 25, f. 1—1 b.	Moorabool B. <i>Vict.</i>

Genus *Pyramidella*, *Lamarck*, 1799 (Prodrome, p. 76; Stoliczka, Pal. Ind. II. p. 172; Adams, Genera, 1853, I. p. 228) = *Pyramidellus*, Montfort.
Prosobr.-Pyramidellidae.

<i>P. Roberti, Tenison-Woods.</i>	Table Cape Series (L. or M. Ter.?).	*Notes, Tertiary Foss. Tas. 1876, p. 62.	Table Cape, <i>Tas.</i>
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(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Pyrula</i> , <i>Lamarch</i> , 1799. (Prodrome, p. 73; Système, 1801, p. 82.)— <i>Prosobr.</i>			
P.? <i>sp. ind.</i>	Murray River Series (L. or M. Ter.?).	? <i>Cypraea</i> , Sturt, Two Exps. Int. S. Austr. 1832, II. p. 255, t. 8, f. 25; <i>Pyrula</i> , Woods, Geol. Obs. S. Austr. 1862, p. 78, fig.	Murray R. Cliffs, <i>S. Australia.</i>
Genus <i>Rissoa</i> , <i>Frémerville</i> , 1814. (Bull. Soc. Philomathique, IV.; Adams, Genera, 1854, I. p. 329; Stoliczka, Pal. Indica, II. p. 277.)— <i>Prosobr.-Rissoidae.</i>			
R. <i>Stevensiana</i> , <i>Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 48.	Table Cape, <i>Tas.</i>
Genus <i>Rissoina</i> , <i>d'Orbigny</i> , 1840 (see p. 114).— <i>Prosobr.-Rissoidae.</i>			
R. <i>Johnstoni</i> , <i>Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 49.	Table Cape, <i>Tas.</i>
R. <i>Tateana</i> , <i>Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 62.	Table Cape, <i>Tas.</i>
R. <i>varicifera</i> , <i>Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 49.	Table Cape, <i>Tas.</i>
Genus <i>Syrnola</i> , <i>A. Adams</i> , 1860. (Annals Nat. Hist. v. p. 405; Proc. Zool. Soc. 1862, p. 233; Stoliczka, Pal. Indica, II. p. 173.)— <i>Prosobr.-Pyramidelidae.</i>			
S. <i>bifasciata</i> , <i>Tenison-Woods.</i>	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876)!; Notes, Tertiary Foss. Tas. 1876, p. 47.	Table Cape, <i>Tas.</i>
Genus <i>Tenagodus</i> , <i>Guettard</i> , 1774 (or 1770? Mem. Sci. et Arts, III. p. 128; Mörch, Proc. Zool. Soc. 1860, pp. 400 and 402; Adams, Genera, 1854, I. p. 360). <i>Prosobr.-Vermetidae.</i>			
T. <i>occlusus</i> , <i>Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 48.	Table Cape, <i>Tas.</i>
Genus <i>Terebra</i> , <i>Adanson</i> , 1757. (Hist. Nat. Sénégal, 1er. pt. p. 49; Lamarek, Prodrome, 1799, p. 71; Adams, Genera, I. 1853, p. 226.) <i>Prosobr.-Terebridae.</i>			
T. <i>additoides</i> , <i>Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 43.	Table Cape, <i>Tas.</i>
T. <i>simplex</i> , <i>Tenison-Woods.</i>	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876), p. 21.	Table Cape, <i>Tas.</i>
Genus <i>Thala</i> , <i>H. and A. Adams</i> , 1853. (Genera of Shells, I. p. 178.) <i>Prosobr.-Mitridae.</i>			
T. <i>marginata</i> , <i>Tenison-Woods.</i>	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 56.	Table Cape, <i>Tas.</i>

(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Thalotia, J. E. Gray, 1840. (Synop. Contents Brit. Mus. !; Adams, Genera, 1854, i. p. 420.)—Prosobr.-Turbinidae.			
T. alternata, Tenison-Woods.	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 45.	Table Cape, Tas.
Genus Torinia, J. E. Gray, 1840. (Synop. Contents Brit. Mus. !; Adams, Genera, 1854, i. p. 242; Stoliczka, Pal. Indica, ii. p. 249.)—Prosobr.-Solaritidae.			
T. gibbuloides, Tenison-Woods.	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 45.	Table Cape, Tas.
Genus Triton, Montfort, 1810. (Conch. Syst. ii. p. 587.) Vide Tritonium, Link.			
T. Abboti, Tenison-Woods.		Vide Tritonium.	
T. minimum, Tenison-Woods.		Vide Tritonium.	
Genus Tritonium, Link, 1807 (Adams, Genera, 1853, i. p. 101)=Triton, Montfort. Prosobr.-Tritoniidae.			
T. Abboti, Tenison-Woods.	Table Cape Series.	Triton.*Proc. R. Soc. Tas. for 1875 (1876), p. 24, f. 8.	Table Cape, Tas.
T. minimum, Tenison-Woods.	Table Cape Series.	Triton.*Notes, Tertiary Foss. Tas. 1876, p. 55.	Table Cape, Tas.
Genus Trivia, Gray, 1832. (Descrip. Cat. Shells, Cowries, p. 13; Adams, Genera, 1854, i. p. 268.)—Prosobr.-Cypraeidae.			
T. avellanoides, M'Coy.	Schnapper Pt. Series=Oligocene (L. Ter.). Hamilton Series (L. or M. Ter.?).	Exhib. Essay, 1861, p. 169; Annals Nat. Hist. 1862, ix. p. 146; ibid. 1867, xx. p. 194; Cypraea, ibid. id. p. 436; Trivia, Smyth's Progress Report, 1874, p. 35; Cypraea, Geol. Survey, Vict. Dec. III. 1876, p. 36, t. 28, f. 29, f. 8 a—c.	Schnapper Point, and Muddy Ck. Vict.
T. Europea, Montagu.	Table Cape Series (L. or M. Ter.?).	*Test. Brit. 1808, p. 88; Cypraea coccinella, Lamarck, Ann. Mus. 1810, xvi. p. 104; C. Europea, Gray, Zool. Jour. 1827, III. p. 366; C. coccinella, Nyst, *Descrip. Coq. Foss. Terr. Tert. Belgique, 1848, p. 609; C. Europea, Searles Wood, *Mon. Crag. Moll. 1848, pt. 1, p. 17, t. 2, f. 6; ibid. Horne, *Foss. Moll. Tert.-Beekens Wien, 1856, 1 Bd. p. 73, t. 8, f. 15; ibid. Fleming, *Brit. Animals, 1828, p. 330; ibid. Forbes	Table Cape, Tas.

(Gasteropoda.)		(Tertiary.)	
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		and Hanley, "Hist. Brit. Moll. 1853, iii. p. 495, t. 114 a, f. 6—9, t. N. N. f. 5—7; <i>ibid.</i> Gwyn-Jeffreys, "Brit. Con. 1867, iv. p. 403; <i>Trivia</i> , H. and A. Adams, Genera, 1854, i. p. 268; <i>ibid.</i> Woods, Notes, Tert. Foss. Tas. 1876, p. 57.	
Genus <i>Trochita</i> , <i>Schumacher</i> , 1817. (Essai Nouv. Syst. Hab. Vers. Test. 1817, p. 184.)	Vide <i>Infundibulum</i> , Montfort.— <i>Prosobr. Calyptreidae</i> .		
<i>T. calyptreformis</i> , <i>Deshayes</i> .		Vide <i>Infundib. calyptreformis</i> .	
Genus <i>Trochus</i> , <i>Linnaeus</i> , 1758 (see p. 87).— <i>Prosobr.-Turbinidae</i> .			
<i>T. Josephi</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 45.	Table Cape, Tas.
<i>T. sp. ind.</i>	Murray River Series, &c. (L. or M. Ter.?).	Sturt, Two Expds. Int. S. Austr. 1832, ii. p. 255, t. 3, f. 19; Woods, Geol. Obs. S. Austr. 1862, p. 77, fig.	Murray R. Cliffs, and Mount Gambier, S. Austr.
Genus <i>Turbo</i> , <i>Linnaeus</i> , 1758 (see p. 87).— <i>Prosobr.-Turbinidae</i> .			
<i>T. Etheridgei</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 46.	Table Cape, Tas.
Genus <i>Turbanilla</i> (<i>Leach</i>), <i>Risso</i> , 1826 (Hist. Nat. Europe Merid. iv. p. 224; Stoliczka, Pal. Indica, ii. p. 174; Meek, Cret. Invert. Foss. Up. Missouri, 1876, p. 337) = <i>Chemnitzia</i> , <i>d'Orb.</i> 1839.— <i>Prosobr.-Pyramidellidae</i> .			
<i>T. lirecostata</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 49.	Table Cape, Tas.
<i>T. pagoda</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 49.	Table Cape, Tas.
Genus <i>Turritella</i> , <i>Lamarck</i> , 1799 (see p. 88).— <i>Prosobr.-Turritellidae</i> .			
<i>T. Sturtii</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 47.	Table Cape, Tas.
<i>T. Tasmanica</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876), p. 17.	Table Cape, Tas.
<i>T. Warburtonii</i> , <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 47.	Table Cape, Tas.
<i>T. sp. ind. (a)</i> .	Murray River Series, &c. (L. or M. Ter.).	Sturt, Two Expds. Int. S. Austr. 1832, ii. p. 255, t. 3, f. 20; <i>T. terebralis</i> , Woods, Geol. Obs. S. Austr. 1862, p. 83, fig.	Murray R. Cliffs, and Mount Gambier, S. Austr.
<i>T. sp. ind. (b)</i> .	" <i>Turritella</i> limestone."	Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 86.	Flinders' Island, Bass' Straits.

(Gasteropoda.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Genus <i>Typhis</i> , <i>Montfort</i> , 1810. (Conch. Syst. II. p. 615; Adams, Genera, 1853, I. p. 76; Stoliczka, Pal. Indica, II. p. 128)— <i>Prosobr.-Muricidae</i> .			
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T. M'Coyi, <i>Tenison-Woods</i> .	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876), p. 22.	Table Cape, <i>Tas.</i>
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Genus <i>Vermetus</i> , <i>Adanson</i> , 1757. (Hist. Nat. Sénégal, p. 160; Mörh. Proc. Zool. Soc. 1861, p. 334; Lamarek, Histoire, 1822, VII. p. 224; Adams, Genera, 1854, I. p. 357; Stoliczka, Pal. Indica, II. p. 239)— <i>Prosobr.-Vermetidae</i> .			
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V. conohelix, <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 48.	Table Cape, <i>Tas.</i>
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Genus <i>Voluta</i> , pars, <i>Linnaeus</i> , 1758. (Systema, ed. 10, p. 729; Lamarck, Prodrome, 1799, p. 70; Adams, Genera, 1853, I. p. 164)— <i>Prosobr.-Volutidae</i> .			
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V. anticingulata, <i>M'Coy</i> .	Schnapper Pt. Series = Oligocene (L. Ter.), &c.	*Annals Nat. Hist. 1866, XVIII. p. 379; <i>ibid.</i> 1867, XX. p. 193; Smyth's Progress Report, 1874, p. 35; *Geol. Survey, Vict. Dec. I. 1874, p. 24, t. 6, f. 2—4; Johnston, Notes, Tertiary Beds, Table Cape, <i>Tas.</i> 1876, p. 33.	Schnapper Point, and Bird Rock, near Geelong, Vict. Table Cape, <i>Tas.</i>
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V. antiscalaris, <i>M'Coy</i> .	Schnapper Pt. Series = Oligocene (L. Ter.), &c.	*Annals Nat. Hist. 1866, XVIII. p. 378; <i>ibid.</i> 1867, XX. p. 194; Smyth's Progress Report, 1874, p. 35; *Geol. Survey, Vict. Dec. I. 1874, p. 26, t. 6, f. 5; Woods, Proc. R. Soc. Tas. for 1875 (1876), p. 16.	Mount Martha; Moolap; Fyan's Ford, Vict. Table Cape, <i>Tas.</i>
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V. Hannafordi, <i>M'Coy</i> .	Schnapper Pt. Series = Oligocene (L. Ter.), &c.	*Annals Nat. Hist. 1866, XVIII. p. 375; <i>ibid.</i> 1867, XX. p. 194; Smyth's Progress Report, 1874, p. 35; *Geol. Survey, Vict. Dec. I. 1874, p. 28, t. 6, f. 1; *Dec. IV. 1876, p. 25, t. 37, f. 1; Woods, Proc. R. Soc. Tas. for 1875 (1876), p. 16.	Mounts Martha and Eliza; Fyan's Ford; Muddy Ck.; Port Fairy, Vict.
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V. M'Coyi, <i>Tenison-Woods</i> .	Table Cape Series.	*Notes, Tertiary Foss. Tas. 1876, p. 48.	Table Cape, <i>Tas.</i>
<hr/>			
V. macroptera, <i>M'Coy</i> .	M. Ter. (Miocene?). Table Cape Series (L. or M. Ter.?).	*Annals Nat. Hist. 1866, XVIII. p. 375; <i>ibid.</i> 1867, XX. p. 194; Smyth's Progress Report, 1874, p. 35; *Geol. Survey, Vict. Dec. I. 1874, p. 29, t. 7, figs. 1—4; Woods, Proc. R. Soc. Tas. for 1875 (1876), p. 16.	Bird Rock, near Geelong, Vict. Table Cape, <i>Tas.</i>
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V. strophodon, <i>M'Coy</i> .	Schnapper Pt. Series = Oligocene (L. Ter.).	Smyth's Progress Report, 1874, p. 35; *Geol. Survey, Vict. Dec. IV. 1876, p. 25, t. 37, f. 2—4 c.	Schnapper Point, Vict.
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V. Weldii, <i>Tenison-Woods</i> .	Table Cape Series.	*Proc. R. Soc. Tas. for 1875 (1876), p. 24, f. 2.	Table Cape, <i>Tas.</i>

(Cephalopoda—Pisces.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Genus *Ziziphinus* (*Leach*, ms. 1819). *Gray*, 1840. (Fig. Moll. Animals, iv. p. 145; *Stoliczka*, Pal. Indica, ii. p. 365; *Adams*, Genera, 1854, i. p. 421.)
Prosobr.-Turbinidae.

Z. Blaxlandii, *Tenu-* | Table Cape | *Notes, Tertiary Foss. Tas. 1876, | Table Cape, *Tas.*
son-Woods. | Series. | p. 44. |

Class—Cephalopoda. Orders—Di- and Tetrabranchiata.

Genus *Aturia*, *Bronn*, 1838 (Lethaea, Geog. ii. p. 1122; *F. E. Edwards*, Mon. Eocene Moll. pt. 1, 1849, Ceph. p. 51)=*Megasiphonia*, *d'Orb.*—*Nautilidae.*

<i>A. Australis</i> , <i>M'Coy</i> .	Vide <i>A. ziczac</i> , <i>J. Sow.</i>		
<i>A. ziczac</i> , <i>J. Sowerby</i> .	<i>Mt. Gambier</i> Series (L. or M. Ter.?). <i>M. Ter.</i> (Mio- cene?).	<i>Nautilus</i> , *Min. Con. i. p. 12, t. 1, lower fig.; <i>Aturia</i> , <i>Edwards</i> , *Mon. Eocene Moll. pt. 1, Ceph. 1849, p. 52, t. 9, f. 1; <i>Nautilus</i> , <i>Tenison-Woods</i> , <i>Geol. Obs. S.</i> <i>Austr.</i> 1862, p. 88, fig.; <i>A. Australis</i> , <i>M'Coy</i> , <i>Annals Nat. Hist.</i> 1867, xx. p. 192; <i>id. Smyth's</i> <i>Progress Report</i> , i. 1874, p. 36; <i>A. ziczac</i> , var. <i>Australis</i> , <i>M'Coy</i> , *Geol. Survey, <i>Vict. Dec. III.</i> 1876, p. 21, t. 24, f. 1—5.	<i>Mount Gambier, S.</i> <i>Australia.</i> <i>Bird Rock Point</i> ; <i>Point Addis</i> ; <i>Flemington</i> ; <i>Mordialloc</i> , &c. <i>Vict.</i>

Genus *Belemnites* (*Agricola*).—*Belemnitidae.*

B. senescens, *Tate*. | *M. Ter.* (Mio- | *Quart. Jour. Geol. Soc. 1877, | *Aldinga, S. Austr.*
cene?). | xxxiii. p. 257, f. 1. |

Genus *Nautilus*, *Breynius*, 1782 (see p. 90).—*Nautilidae.*

N. ziczac, *J. Sowerby*. | Vide *Aturia*. |

Sub-kingdom—Vertebrata. Class—Pisces.

Order—Elasmobranchii or Placoidei.

Genus *Carcharodon* (*A. Smith*), *L. Agassiz*, 1843. (Pois. Foss. iii. p. 245; *Henle* and *Corda*, Systemat. Beschreibung Plagi. 1841, p. 70; *Gunther*, Cat. Fishes, Brit. Mus. 1876, viii. p. 391.)—*Selachii.*

<i>Agassiz</i> .	<i>M. Ter.</i> (Mio- cene?). <i>Table Cape</i> Series (L. or M. Ter.?).	*Pois. Foss. iii. p. 225, t. 28, figs. 20—25, t. 30, f. 3; <i>M'Coy</i> , <i>Annals Nat. Hist.</i> 1866, xvi. p. 118; <i>ibid. id.</i> 1867, xx. p. 192, <i>ibid. Smyth's Progress Report</i> , i. 1874, p. 35; <i>ibid. Geol. Survey</i> , <i>Vict.</i> 1875, Dec. ii. p. 8, t. 11, figs. 2 and 3; <i>Johnston</i> , Notes, Tertiary Beds, Table Cape, <i>Tas.</i> 1876, p. 34.	<i>Bird Rock, near</i> <i>Geelong, Vict.</i> <i>Table Cape, Tas.</i>
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(Pisces—Mammalia.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>C. megalodon, Agassiz.</i>	M. Ter. (Miocene?).	*Poiss. Foss. III. p. 247, t. 29; M'Coy, Annals Nat. Hist. 1865, xvi. p. 113; <i>ibid. id.</i> 1867, xx. p. 192; <i>ibid.</i> Smyth's Progress Report, i. 1874, p. 35; <i>ibid.</i> Geol. Survey, Vict. 1875, Dec. II. p. 9, t. 11, f. 4.	Bird Rock, near Geelong, Vict.
Genus <i>Lamna</i> , Cuvier, 1817. (Règne Animal, II. p. 126; Agassiz, Poiss. Foss. 1843, III. p. 287.)— <i>Selachii.</i>			
<i>L. contortidens, Agassiz.</i>		*Poiss. Foss. III. p. 294, t. 37 a, figs. 17—32; M'Coy, Annals Nat. Hist. 1867, xx. p. 192; <i>ibid.</i> Smyth's Progress Report, i. 1874, p. 35.	Victoria.
<i>L. denticulata, Agassiz.</i>		*Poiss. Foss. III. p. 291, t. 37 a, figs. 51—53; M'Coy, Annals Nat. Hist. 1867, xx. p. 192; <i>ibid.</i> Smyth's Progress Report, i. 1874, p. 35.	Victoria.
<i>L. elegans, Agassiz.</i>	Table Cape Series.	*Poiss. Foss. III. p. 289, t. 35, figs. 1—7, t. 37 a, figs. 58 and 59; M'Coy, Annals Nat. Hist. 1867, xx. p. 192; <i>ibid.</i> Smyth's Progress Report, i. 1874, p. 35; Johnston, Notes, Tertiary Beds, Table Cape, Tas. 1876, p. 34.	Table Cape, Tas. Victoria.
Genus <i>Otodus</i> , Agassiz, 1843. (Poiss. Foss. III. p. 266.)— <i>Selachii.</i>			
<i>O. Desori, Agassiz.</i>		M'Coy, Annals Nat. Hist. 1867, xx. p. 192; <i>ibid.</i> Smyth's Progress Report, i. 1874, p. 35.	Victoria.
Genus <i>Oxyrhina</i> , Agassiz, 1843. (Poiss. Foss. III. p. 276.)— <i>Selachii.</i>			
<i>O. trigonodon, Agassiz.</i>		*Poiss. Foss. III. p. 279, t. 37, figs. 17 and 18; M'Coy, Annals Nat. Hist. 1867, xx. p. 192; <i>ibid.</i> Smyth's Progress Report, i. 1874, p. 35.	Victoria.
<i>O. Woodsii, M'Coy.</i>	Mt. Gambier Series (M. or L. Ter.?).	Woods, Geol. Obs. S. Austr. 1862, p. 80, fig.	Mount Gambier, S. Australia.

Class—Mammalia. Section—Implacentalia. Order—Marsupalia.

Genus *Bettongia*, Gray, 1837. (Annals Nat. Hist. I. p. 584.)—*Pæphaga-Macropodidae.*

<i>B. cuniculoides, M'Coy.</i>	Geol. Survey, Vict. Section $\frac{1}{4}$ sheet, 14 N. W. note 12.	Loddon River, near Dunolly, Vict.
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(Mammalia.)

(Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Nototherium</i> , <i>Owen</i> , 1845. (Brit. Ass. Rept. for 1844, p. 231.) <i>Carpophaga-Phalangistidae</i> .			
<i>N. sp. ind.</i>	U. Ter. (Mio- cene?).	M'Coy, in Smyth's Progress Re- port, i. 1874, p. 85.	
Genus <i>Phascolomys</i> , <i>Geoffroy</i> , 1803. (Ann. Museum, ii. p. 365.) <i>Rhizophaga-Phascolomyidae</i> .			
<i>P. Pliocenus</i> , <i>M'Coy</i> .	Gold Drift (Pliocene?).	Ex. Essay, 1861, p. 168; Annals Nat. Hist. 1862, ix. p. 145; <i>ibid.</i> 1867, xx. p. 190; Smyth, Geol. Mag. 1872, ix. p. 836; M'Coy in Smyth's Progress Re- port, i. 1874, p. 86; <i>id.</i> *Geol. Survey, Vict. Dec. i. 1874, p. 21, t. 3, 4 and 5; <i>id.</i> Couchman's Progress Report, 1877, iv. p. 156.	Dunolly; Loddon Riv. nr. Dunolly; Bet-Bet Creek, Vict.
Genus <i>Sarcophilus</i> , <i>F. Cuvier</i> , 1838. (Hist. Nat. Mammif. vii. 70me Livre, p. 2.) <i>Sarcophaga</i> .			
<i>S. ursinus</i> , <i>Harris</i> .	Gold Drift (Pliocene?).	<i>Didelphis</i> , *Trans. Linn. Soc. ix. p. 176, t. 19, f. 2; <i>Sarcophilus</i> , M'Coy, Geol. Survey, Vict. Sec- tion 4 sheet, 14 N. W. note 12; <i>id.</i> Annals Nat. Hist. 1867, xx. p. 191.	Loddon River, near Dunolly, Vict.
Section—Placentalia. Order—Cetacea.			
Genus <i>Squalodon</i> , <i>Grateloup</i> , 1840 (Actes Soc. Linn. Bordeaux, no. 56, p. 346) ? = <i>Phocodon</i> , Ag.— <i>Zeuglodontidae</i> .			
<i>S. Wilkinsoni</i> , <i>M'Coy</i> .	M. Ter. (Mio- cene?).	*Geol. Mag. 1864, iv. p. 145, t. 8, f. 1; <i>Seal Tooth</i> , Wilkinson, Geol. Rept. C. Otway, Dist. 1865, p. 23; <i>Phocodon</i> , M'Coy, Annals Nat. Hist. 1867, xx. p. 191; <i>ibid.</i> <i>id.</i> Smyth's Pro- gress Report, 1874, p. 86; <i>Squalodon</i> , <i>ibid.</i> *Geol. Survey, Vict. 1875, Dec. ii. p. 7, t. 11, f. 1; <i>id.</i> v. Beneden and P. Gervois, Ostéogr. Cétacés viv. et foss. liv. XIII. p. 442.	W. of Aire River, near Cape Otway, Vict.

Order—Carnivora.

Genus *Arctocephalus*, *F. Cuvier*, 1824. (Mém. du Mus. d'Hist. Nat. xi. p. 205;
Dict. Sci. Nat. 1826, xxxix. p. 553; J. E. Gray, Cat. Seals and Whales, Brit.
Mus. 2nd ed. 1866, p. 47; Supp. Cat. *ibid.* 1871, p. 17; Hand List,
ibid. 1874, p. 32.)—*Phocidae*.

A. Williamsi, *M'Coy*. | U. Ter. (Plio- | *Geol. Survey Vict. Dec. v. 1877, | Queenscliff; Cape
cene?). | p. 7, t. 41 and 42. | Otway, Vict.



POST TERTIARY.



A CATALOGUE OF AUSTRALIAN FOSSILS.

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(Brachiopoda—Gasteropoda.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Sub-kingdom—Mollusca. *Section*—Molluscoidea. *Class*—Brachiopoda.

Genus *Terebratella*, *d'Orbigny*, 1847 (see p. 151).—*Clistenterata-Terebratulidae*.

<i>T. compta</i> , <i>G. B.</i> <i>Sowerby</i> .	Raised beach.	<i>Terebratula</i> , Strzelecki's "Phys. Descr. N. S. Wales, p. 297, t. 19, f. 4 (see <i>ante</i> , p. 151, for synonymy).	Port Fairy.
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Section—Mollusca proper. *Class*—Pelecypoda (Conchifera).

Genus *Venus*, *Linnaeus*, 1758 (see p. 79).—*Veneracea-Veneridae*.

<i>V. exalbata</i> , <i>Woods</i> .	P. T. Lime-stone.	Geol. Obs. S. Austr. 1862, p. 190 (? = <i>V. exalbata</i> , Chemnitz. Neues System Conchylum, Cab. xi. 1795, p. 225, t. 20, f. 1974).	Coorong, S. Austr.
<i>V. strigosa</i> , <i>Woods</i> .	Quaternary Deposits.	Trans. R. Soc. Vict. 1868, VIII. p. 46 (? = <i>V. strigosa</i> , Lamarck, Hist. Nat. des Anim. s. Vertéb. v. 1818, p. 605).	Guichen Bay, Vict.

Class—Gasteropoda.

Genus *Bulimus*, *Scopoli*, 1777. (Introd. Hist. Nat. p. 392; Lamarck, Système, 1801, p. 90; Histoire, 1822, vi. pt. 2, p. 116; Adams, Genera, 1855, ii. p. 146.)
Pulmonifera-Helicidae.

<i>B. Gunnii</i> , <i>G. B.</i> <i>Sowerby</i> .	Yellow Lime-stone of Hobart Town.	Strzelecki's "Phys. Descr. N. S. Wales, 1845, p. 298, t. 19, f. 5.	Hobart Town, Tas.
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Genus *Bulla*, *Klein*, 1753 (see p. 159).—*Opisthobranchiata-Bullidae*.

<i>B. Australis</i> , <i>Quoy</i> .	Quaternary Deposits.	Woods, Trans. R. Soc. Vict. VIII. p. 46; Quoy, Voy. de l'Astrolabe, Zoologie, II. p. 357, Atlas, t. 26, f. 38, 39; Deshayes and M. Edwards, Lamarck's Histoire Nat. Anim. s. Vertéb. 1836, VIII. p. 673.	Perth, W. Austr.
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Genus *Cerithium*, *Adanson*, 1757 (see p. 114).—*Prosobranchiata-Cerithiidae*.

<i>C. sp. ind.</i>	P. T. Lime-stone.	Woods, "Geol. Obs. S. Austr. 1862, p. 190 fig.	Coorong, S. Austr.
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(Gasteropoda—Reptilia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Cypraea</i> , <i>Linnaeus</i> , 1758 (see p. 161).— <i>Prosobranchiata-Cypraeidae</i> .			
<i>C. eximia</i> , <i>G. B. Sowerby</i> .	Blown Sand (?).	Strzelecki's *Phys. Descr. N. S. Wales and V. D. Land, 1845, p. 296, t. 19, figs. 1—3 (see <i>ante</i> , p. 161, for <i>synonymy</i>).	Franklin's Village, Tas.
Genus <i>Fusus</i> , <i>Klein</i> , 1758 (see p. 164).			
<i>F. colosseus</i> , <i>Tenison-Woods</i> .	Quaternary Deposits.	Trans. R. Soc. Vict. 1868, viii. p. 45 (? = <i>F. colosseus</i> , Lamarck, Histoire Anim. s. Vertéb. 1822, vii. p. 122).	Perth, W. Austr.
Genus <i>Helix</i> , <i>Linnaeus</i> , 1758. (Systema, ed. 10, p. 768; Adams, Genera, 1855, II. p. 188.) <i>Pulmon.-Helicidae</i> .			
<i>H. Tasmaniensis</i> , <i>G. B. Sowerby</i> .	Yellow Lime-stone of Hobart Town.	Strzelecki's *Phys. Descr. N. S. Wales, 1845, p. 298, t. 19, f. 6.	Hobart Town, Tas.
Genus <i>Truncatella</i> , <i>Risso</i> , 1826. (Europe Mérid. iv. p. 124; Adams, Genera, 1856, II. p. 310; Pfeiffer, Brit. Mus. Cat. 1857, p. 129.)— <i>Pulmon.-Truncatellidae</i> .			
<i>T. filosa</i> , ? <i>M'Coy</i> (ms.).	P. Ter. fresh-water Lime-stone.	In Taylor's 1/ sheet 2, S. W. Geol. Survey, Vict. <i>note</i> .	Moonee Ponds Ck, Vict.
Sub-kingdom—Vertebrata. Class—Reptilia.			
Genus <i>Chlamydosaurus</i> , <i>J. E. Gray</i> , 1827. (King's Survey, Coasts of Australia, II. p. 424; Dumbril et Bibron, Erpét. Générale, 1837, IV. p. 440; Gray, Brit. Mus. Cat. Lizards, 1845, p. 248.)— <i>Lacertilia-Agamidae</i> .			
<i>C. Bennettii</i> , <i>Owen</i> (ms.).	Quaternary Deposits.	G. Bennett, Proc. R. Soc. Tas. for 1875 (1876) p. 57.	Gowree Station, Darling Downs, Qu.
Genus <i>Megalania</i> , <i>Owen</i> , 1858. (Proc. R. Soc. IX. p. 273; Phil. Trans. 1860, cxlii.) <i>Lacertilia</i> .			
<i>M. prisca</i> , <i>Owen</i> .	Quaternary Deposits.	Proc. R. Soc. IX. p. 273; Phil. Trans. 1860, cxlii. p. 43, t. 7, f. 1—4, t. 8, f. 1—4; d'Archiac, Faune Quaternaire, 1865, p. 273; Clarke, Remarks Sed. Forms, N. S. Wales, 3rd ed. 1875, p. 52.	Condamine River, Moreton Bay, Qu.

Notes.—Order, CHELONIA. The carapace of a fresh-water form, about 8 in. in length, has been obtained from the bone caves of Wellington Valley, N. S. Wales. (Krefft, *Australian Vert.* p. 39.)

SAURIAN REPTILES. From the same caves have also been obtained bones of the following genera: *Hydrosaurus*, *Cyclodus*, *Trachydosaurus*, *Tropidolepisma*, and *Grammatophora*. (Krefft, *I. c.* p. 49.) Order, CROCODILIA. Fossil Crocodile teeth appear to have been first found in Australia by Mr S. Stuchbury. Examples were also found by Mr R. Daintree, in the *Diprotodon*-breccia of Maryvale Creek, N. Q. (*Quart. Jour. Geol. Soc.* XXVIII. p. 274.)

(Aves—Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.

Class—Aves.

Genus *Dromornis*, *Owen*, 1872. (Proc. Zool. Soc. p. 682; Trans. *id.* 1873, viii. pt. 4, p. 381.)—*Struthionidae*.

<i>D. Australis</i> , <i>Owen</i> .	Quaternary Deposits(Drift 188 ft. from surface).	<i>Femur of Bird</i> , Mitchell's "Three Exped. Int. of E. Australia, 1838, n. t. 32, f. 12 and 13; <i>Dinornis</i> , sp. Clarke, Geol. Mag. 1869, vi. p. 383; <i>id. ibid.</i> American Jour. Sc. 1870, xlii. p. 273; <i>Dromornis Australis</i> , <i>Owen</i> , Proc. Zool. Soc. 1872, p. 682; <i>id. Trans. ibid.</i> 1873, viii. pt. 4, pp. 381—384, t. 62, t. 63, f. 1 and 2; <i>Dromornis</i> , sp. Clarke, Remarks Sed. Form. N. S. Wales, 1875, 3rd ed. p. 53; <i>id. Smyth's Progress Report</i> , 1876, iii. p. 47; <i>?Moa</i> , Krefft, Australian Vertebrata, 1871, p. 37.	Peak Downs, <i>Qu.</i>
<i>D. sp. ind.</i>		Owen, Proc. Zool. Soc. 1877, pt. 1, p. 95.	Canadian Lead, Phillip Co., N. S. Wales. Mt. Gambier Cave, S. Australia.

Class—Mammalia. Section—Implacentalia.

Orders—Monotremata and Marsupialia.

Genus *Belideus*, *Waterhouse*, 1838. (Proc. Zool. Soc. pt. vi. p. 149; Nat. Hist. Mam. 1846, ii. p. 325.)—*Carpophaga-Phalangistidae*.

<i>B. breviceps</i> , <i>Waterhouse</i> .		<i>Petaurus</i> , *Nat. Hist. Mam. 1846, i. p. 334; <i>Belideus</i> , Krefft, Austr. Vert. 1871, p. 18.	<i>N. S. Wales.</i>
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Genus *Bettongia*, *J. E. Gray*, 1837 (see p. 172).—*Poephaga-Macropodidae*.

<i>B. rufescens</i> , <i>Gray</i> .	Cave-breccia.	*Annals Nat. Hist. 1837, i. p. 584; Gould, Mon. Macropodidae, 1841, pt. 1, t. 13; <i>Hypsiprymnus</i> , Waterhouse, *Nat. Hist. Mam. 1846, i. p. 196; <i>Bettongia</i> , Krefft, Austr. Vert. 1871, p. 20.	Caves of Wellington Valley, N. S. Wales.
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(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Dasyurus, <i>Geoffroy</i>, 1804. (Ann. Museum, III. p. 355; Waterhouse, Nat. Hist. Mam. 1846, I. p. 432.)—<i>Sarcophaga-Dasyuridae</i>.			
<i>D. affinis</i> , <i>M'Coy</i> .	Cave Deposit.	Geol. Survey, Vict. 1 sheet 7, N. W. note.	Mt. Macedon Caves, Vict.
<i>D. laniarius</i> , <i>Owen</i> .		Vide <i>Sarcophilus</i> .	
<i>D. maculatus</i> , <i>Shaw</i> .	Cave-breccia.	<i>Viverra</i> , *General Zool. 1800, I. pt. 2, p. 488; <i>Dasyurus</i> , Waterhouse, *Nat. Hist. Mam. 1846, I. p. 489; <i>ibid.</i> Krefft, Austr. Vert. 1871, p. 21.	Caves of Wellington Valley, N. S. Wales.
<i>D. viverrinus</i> , <i>Shaw</i> .	Cave-breccia, &c.	<i>Didelphis</i> , *General Zool. 1800, I. pt. 2, p. 491, t. 111; <i>Dasyurus</i> , Waterhouse, *Nat. Hist. Mam. 1846, I. p. 442; <i>ibid.</i> M'Coy, Geol. Survey, Vict. 1 sheet 7, N. W. note; <i>id.</i> Krefft, Austr. Vertebrata, 1871, p. 21; <i>id. ibid.</i> Mams. of Australia, 1871, t. 13.	Caves of Wellington Valley, N. S. Wales. Mt. Macedon Cave, Vict.
Genus Diabolus, <i>J. E. Gray</i>, 1841. (In Grey's Jour. Two Expeds. N. and N. W. Australia, pp. 400 and 411.)—Vide <i>Sarcophilus</i>.			
<i>D. ursinus</i> , <i>Harris</i> .		Vide <i>Sarcophilus</i> .	
Genus Diprotodon, <i>Owen</i>, 1838. (Mitchell's Three Expeds. Int. E. Austr. II. p. 362; Waterhouse, Nat. Hist. Mam. 1846, I. p. 238.)—<i>Carpophaga-Phalangistidae</i>.			
<i>D. Australis</i> , <i>Owen</i> .	Cave-breccia, and Quater- nary De- posits.	*loc. cit. p. 362, t. 31, f. 1 and 2; Proc. Zool. Soc. 1839, vii. p. 19; Trans. <i>id.</i> 1841, II. p. 332; <i>Mastodontoid Pachyderm</i> . *An- nals Nat. Hist. 1843, xi. p. 9, cuts, f. 2 and 3 (non f. 1); <i>Dinotherium</i> , * <i>ibid.</i> <i>id.</i> p. 329, f. 1, p. 330, f. 2; <i>Diprotodon</i> , *Brit. Assoc. Rep. 1844, p. 227; * <i>Odontography</i> , I. p. 399, Atlas, t. 90, f. 1—3; <i>D. Australis</i> , Annals Nat. Hist. 1844, xiv. p. 268; <i>id.</i> * <i>Descrip. Cat. Mam- malia and Aves</i> . R. Coll. Sur- geons, 1845, pp. 291—318, nos. 1460—1504, t. 6, f. 1—5, t. 7, t. 10, f. 5—8; <i>id.</i> Strzelecki's * <i>Phys. Descrip.</i> N. S. Wales, 1845, p. 299; <i>id.</i> Waterhouse, Nat. Hist. Mammalia, 1846, I. p. 233; <i>id.</i> d'Archiac, <i>Progrès de la Géol.</i> 1848, II. pt. 1, p. 419; <i>id.</i> Macleay, Parl. Blue Book, Dec. 1854, p. 40; <i>id.</i> Leich- hardt, <i>ibid.</i> p. 42; <i>id.</i> Owen,.	Wellington Valley Caves, &c., N. S. Wales. Portland, &c., Vict. Welcome Springs and Hergot Springs, 500 m. N. of Adelaide, S. Australia. Condamine River; King's Creek, Darling Downs; Maryvale Creek, &c., Qu.

(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		<p>Encycl. Brit. 1859, xvii. p. 175, f. 43; <i>id. ibid.</i> Quart. Jour. Geol. 1859, xv. t. 9, f. 6; <i>id. ibid.</i> Palæontology, 1860, p. 394, f. 139; <i>id. ibid. id.</i> 2nd ed. p. 430, f. 171; <i>id.?</i> Huxley, Quart. Jour. Geol. Soc. 1862, xviii. t. 21, f. 1—8; <i>id.</i> Woods, *Geol. Obs. S. Austr. 1862, p. 381; <i>id.</i> Hochstetter, Verhandl. Jahrb. K.K. Geol. Reichsanstalt, 1864, xiv. pp. 36 and 37; <i>id.</i> Krefft, Geol. Mag. 1865, ii. p. 573; <i>id.</i> d'Archiac, Faune Quaternaire, 1865, p. 271; <i>id.</i> Murray, Geograph. Dist. Mam. 1866, p. 363; <i>id.</i> Owen, Proc. R. Soc. 1870, xviii. p. 196; <i>id. ibid.</i> *Phil. Trans. 1870, clx. p. 519; <i>id.</i> Daintree, Quart. Jour. Geol. Soc. 1872, xxviii. p. 274; <i>id.</i> Owen, *Extinct Mam. Austr. 1877, pp. 189—244, 507—512, t. 19, f. 1—4, t. 20, t. 21, t. 22, t. 23, t. 24, f. 1—13, 16—18; t. 25, t. 26, t. 27, t. 28, t. 29, t. 30, t. 31, t. 32, t. 33, t. 34, t. 35, t. 122, f. 1—3, 7—10, t. 123, t. 124, and Frontispiece, <i>cuts</i>, f. 1 and 1 a, p. 189, f. 2, p. 204, f. 3 and 4, p. 209, f. 5, p. 212, f. 6, p. 219.</p>	
<i>D. Bennettii</i> , Owen.		*Extinct Mam. of Australia, 1877, pp. 510—511.	Mandoona, N. S. Wales.
<i>D. longiceps</i> , M'Coy.		*Trans. R. Soc. Vict. vi. p. 25; <i>ibid.</i> 1869, ix. pt. 2, p. 78; Annals Nat. Hist. 1867, xx. p. 191; Smyth's Progress Rept. 1874, i. p. 36; *Geol. Survey, Vict. Dec. 4, 1876, pp. 7—11, t. 31, t. 32, t. 33, <i>cut</i> , p. 11.	Colac; Lime-burner's Point, Geelong, Vict.
<i>D. minor</i> , Huxley.		*Quart. Jour. Geol. Soc. 1862, xviii. p. 422, t. 21, f. 4—6; ? <i>Nototherium</i> , sp. Owen, Extinct Mam. of Australia, 1877, p. 511.	Gowrie, Darling Downs, Qu.

Genus *Echidna*, Cuvier, 1797 (Tabl. Eléméntaire, p. 143; Waterhouse, Nat. Hist. Mam. 1846, i. p. 40)=*Trachyglossus*, Illiger.—*Monotremata*.

<i>E. Owenii</i> , Krefft.	Cave-breccia.	*Annals Nat. Hist. 1868, i. p. 113, f. 1—5; Austr. Vertebrata, 1871, p. 22.	Wellington Valley Caves, N. S. Wales.
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(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Halmaturus</i>, Illiger, 1811. (Prod. Syst. Mam. et Avium, p. 80; Waterhouse, Nat. Hist. Mam. 1846, i. p. 94.)—<i>Paphaga-Macropodidae</i>.			
<i>H. Bennetti</i> , Water- house.	Subfossil ?.	<i>Macropus</i> , *Proc. Zool. Soc. 1837, p. 108; <i>id.</i> Owen, Trans. Zool. Soc. II. 1841, t. 71, f. 5; <i>M. ruficollis</i> , var. <i>Bennetti</i> , Waterhouse, *Nat. Hist. Mam. 1846, i. p. 130; <i>M. Bennetti</i> , Owen, *Descrip. Cat. Osteol. Series R. Coll. Surgeons, 1853, i. pp. 324, 325, nos. 1740—1743; <i>Halmaturus</i> , Murie and Bartlett, Proc. Zool. Soc. 1866, pp. 28, 31, and 32; <i>id.</i> Krefft, Trans. R. Soc. N. S. Wales for 1867 (1868), i. p. 30. Austr. Vert. 1871, p. 20.	Glenorchy Cave, Tas.
<i>H. Scottii</i> , Krefft (ms.).		Austr. Vert. 1871, p. 20.	
<i>H. Thomsonii</i> , Krefft (ms.).		Austr. Vert. 1871, p. 20.	
<i>H. sp. ind. (1)</i> .	Cave-breccia.	Owen, in Mitchell's *Three Ex-peds. Int. E. Austr. 1838, II. p. 361, t. 30, f. 1 and 2, no. 6; Krefft, Geol. Mag. 1865, II. p. 572; Woods, *Geol. Obs. S. Austr. 1862, p. 380.	Wellington Valley Caves, N. S. Wales.
<i>H. sp. ind. (2)</i> .	Cave-breccia.	Owen, in Mitchell's *Three Ex-peds. Int. E. Austr. 1838, II. p. 361, t. 30, f. 3, no. 6 a; Woods, *Geol. Obs. S. Austr. 1862, p. 380; Krefft, Geol. Mag. 1865, II. p. 572.	Wellington Valley Caves, N. S. Wales.
Genus <i>Hypsiprymnus</i>, Illiger, 1811. (Prod. Syst. Mam. et Avium, p. 79; Waterhouse, Nat. Hist. Mam. 1846, i. p. 190.)—<i>Paphaga-Macropodidae</i>.			
<i>H. spelaeus</i> , Owen.	Cave-breccia.	*Descrip. Cat. Mam. Aves, R. Coll. Surgeons, 1845, pp. 332, 333, nos. 1536—1539; Waterhouse, *Nat. Hist. Mam. 1846, i. p. 60; d'Archiac, Faune Quaternaire, 1865, p. 270; Murray, Geogr. Dist. Mam. 1866, p. 364.	Wellington Valley Caves, N. S. Wales.
<i>H. trisulcatus</i> , M'Coy.	Cave Deposit.	Geol. Survey, Vict. 1 sheet 7, N. W. note.	Mt. Macedon Cave, Vict.
Genus <i>Leptosiagon</i>, Owen, 1873. (Pro. Roy. Soc. xxi. p. 386.)—<i>Paphaga-Macropodidae</i>.			
<i>L. gracilis</i> , Owen.	Quaternary Deposits.	*Phil. Trans. clxiv. pt. 2, p. 785, t. 76, figs. 11—15; *Extinct Mam. of Australia, 1877, pp. 450, 451, t. 89, f. 11—15.	Queensland.

(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus Macropus, Shaw, 1800. (Gen. Zoology, i. pt. 2, p. 505.)—<i>Poephaga-Macropodidae.</i>			
<i>M. affinis, Owen.</i>	Quaternary Deposits.	<p>*Descrip. Cat. Mammalia and Aves, R. Coll. Surgeons, 1845, p. 328; Waterhouse, *Nat. Hist. Mam. 1846, i. p. 59; d'Archiac, Faune Quatern. 1865, p. 270; Murray, Geogr. Dist. Mam. 1866, p. 363; Owen, Proc. R. Soc. 1873, xxi. p. 128; <i>ibid.</i> *Phil. Trans. 1874, clxv. p. 260, t. 28, figs. 10 and 11; Phil. Trans. clxvi. p. 217, t. 29, f. 6, t. 80, f. 7—9; *Extinct Mam. Australia, 1877, pp. 411, 412, 498, t. 83, f. 10 and 11, t. 116, f. 6, t. 117, f. 7—9.</p> <p>Quart. Jour. Geol. Soc. 1859, xv. p. 158, <i>note.</i></p>	Condamine River, Qu.
<i>M. Ajax, Owen.</i>		Vide <i>Protemnodon Anak</i> , Owen.	Darling Downs, Qu.
<i>M. Anak, Owen.</i>		Vide <i>Sthenurus Atlas</i> , Owen.	
<i>M. Atlas, Owen.</i>		Vide <i>Pachysiagon Ferragus</i> , Owen.	
<i>M. Ferragus, Owen.</i>		Vide <i>Procoptodon Goliath</i> , Owen.	
<i>M. Goliath, Owen.</i>			
<i>M. Titan, Owen.</i>	Cave-breccia; Lacustrine, Quaternary and River Deposits.	<p>*Mitchell's Three Exps. Int. E. Austr. 1838, ii. p. 359, t. 29, figs. 3, 6, and 8; *Brit. Assoc. Rept. 1844, p. 236; Odontog. i. p. 392, ii. t. 101, figs. 1 and 2; *Descrip. Cat. Mam. Aves, R. Coll. Surgeons, 1845, p. 324, <i>et seq.</i> t. 6, f. 7; Waterhouse, *Nat. Hist. Mams. 1846, i. p. 58; Hobson, Tas. Jour. ii. p. 208; d'Archiac, Hist. Progrès de la Géol. 1848, ii. pt. 1, p. 47; Owen, *Paleontology, 1860, p. 394; M'Coy, Ex. Essay, 1861, p. 168; Woods, *Geol. Obs. S. Austr. 1862, p. 378; M'Coy, Annals Nat. Hist. 1862, ix. p. 145, <i>id. ibid.</i> 1867, xx. p. 191; d'Archiac, Faune Quaternaire, 1865, p. 270; Murray, Geogr. Dist. Mam. 1866, p. 364; Daintree, Quart. Jour. Geol. Soc. 1872, xxviii. p. 274; Owen, Proc. R. Soc. 1873, xxi. p. 128; <i>ibid.</i> *Phil. Trans. 1874, clxv. pt. 1, p. 248, t. 20, f. 29; t. 21, figs. 6—18; t. 22, figs. 10—18; t. 23, figs. 2 and 3, 12 and 13; t. 26, figs. 9—15; <i>ibid.</i> pt. 2, p. 783, t. 76, figs. 1—6; M'Coy, Smyth's Progress Rept. 1874, p. 36; <i>id. ibid.</i> 1876, iii.</p>	<p>Wellington Valley Caves, N. S. Wales.</p> <p>Lake Timboon; Duck Ponds, Vict.</p> <p>Mt. Burr Caves, S. Australia.</p> <p>Condamine River; Darling Downs; Maryvale Creek, Qu.</p>

(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		p. 74; Owen, Phil. Trans. clxvi. pp. 204—209, t. 25, f. 1 and 4, t. 26, f. 1 and 2, t. 27; McCoy, in Couchman's Progress Report, 1877, iv. p. 156; Owen, Extinct Mam. of Australia, 1877, pp. 400—411, 435—439, 489—490, 498, Atlas, t. 76, f. 1—4, t. 77, f. 1 and 2, t. 78, f. 1 and 2, t. 79, f. 1 and 2, t. 80, f. 29, t. 81, f. 6—18, t. 82, f. 10—18, t. 83, f. 2 and 3, 12 and 13, t. 86, f. 9—15, t. 89, f. 1—6, t. 112, t. 113, t. 118, f. 1—7.	
<i>M. sp. ind. (1).</i>	Cave-breccia.	Owen, "Mitchell's Three Expsd. Int. E. Austr. 1838, ii. p. 360, nos. III. a, b; Woods, "Geol. Obs. S. Austr. 1862, p. 379; Krefft, Geol. Mag. 1865, ii. p. 572.	Wellington Valley Caves, N. S. Wales.
<i>M. sp. ind. (2).</i>	Cave-breccia.	Owen, Mitchell's Three Expsd. Int. E. Austr. 1838, ii. p. 360, no. 4; ? <i>Halmaturus</i> , Krefft, Geol. Mag. 1865, ii. p. 572; Woods, "Geol. Obs. S. Austr. 1862, p. 379.	Wellington Valley Caves, N. S. Wales.
<i>M. sp. ind. (3).</i>	Quaternary Deposits.	Owen, "Descrip. Cat. Mam. and Aves, R. Coll. Surgeons, 1845, p. 326, no. 1517 (? = <i>Macropus laniger</i> , Q. and G.).	Condamine River, Qu.
<i>M. sp. ind. (4—6).</i>	Cave-breccia.	Owen, "Descrip. Cat. Mam. and Aves, R. Coll. Surgeons, 1845, p. 328, nos. 1521—1523.	Wellington Valley Caves, N. S. Wales.
<i>M. sp. ind. (7).</i>	Cave Deposit.	McCoy, Geol. Surv. Vict. 1 sheet 7, N. W. note.	Mt. Macedon Cave, Vict.
<i>M. sp. ind. (8).</i>		Owen, Extinct Mam. of Australia, 1877, t. 114.	

Genus *Nototherium*, Owen, 1845 (see p. 173).—*Carpophaga-Phalangistidae*.

<i>N. inerme</i> , Owen.	Quaternary Deposits.	*Brit. Assoc. Rept. for 1844, p. 231; Odontog. i. p. 396, ii. t. 90, f. 4; Strzelecki's "Phys. Descr. N. S. Wales, 1845, p. 303; "Descr. Cat. Mam. Aves, R. Coll. Surgeons, 1845, pp. 314—323, t. 8; Waterhouse, "Nat. Hist. Mam. 1846, i. p. 237; Owen, "Quart. Jour. Geol. Soc. 1859, xv. p. 176—185, t. 9, f. 3; Hochstetter, Sitz. K. Akad. Wissensch. Wien, 1859, xxxv. p. 351; id. Verhandl. Jahrbuch, K. K. Geol. Reichsanstalt, 1864, xiv. p. 37; d'Archiac, Faune Quaternaire, 1865, p. 272;	Condamine River; King's Creek, Darling Downs, Qu.
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(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>N. Mitchelli, Owen.</i>	Quaternary Deposits.	<p>Murray, Geogr. Dist. Mam. 1866, p. 363; Owen, Proc. R. Soc. xix. p. 494; <i>ib.</i> *Phil. Trans. 1872, clxxii. pp. 41 and 63, t. 8, t. 9, f. 5; <i>id.</i> Extinct Mam. of Australia, 1877, pp. 271—272, &c. p. 514, t. 42, t. 43, f. 5, t. 88, f. 15—17, t. 125.</p> <p>*Brit. Assoc. Report, 1844, p. 232; Odontography, i. p. 396; *Descrip. Cat. Mam. and Aves, R. Coll. Surgeons, 1845, p. 316, no. 1506, t. 9; Waterhouse, *Nat. Hist. Mam. i. p. 239; ?<i>N. Mitchelli</i>, Owen, *Quart. Jour. Geol. Soc. 1859, xv. pp. 176—185, t. 9, f. 1, 2, 4 and 5; Hochstetter, Sitz. K. Akad. Wissens, Wien, 1859, xxxv. p. 35; <i>id.</i> Verhandl. Jahrbuch, K. K. Geol. Reichsanstalt, 1864, xiv. pp. 36 and 37; Murray, Geogr. Dist. Mam. 1866, p. 363; ?<i>Thylacoleo carnifex</i>, M'Coy (non Owen), *Annals Nat. Hist. 1866, xvi. p. 448; <i>N. Mitchelli</i>, d'Archiac, Faune Quaternaire, 1865, p. 272; <i>id.</i> Owen, *Annals Nat. Hist. 1866, xviii. p. 475, t. 16; <i>id. ibid.</i> Proc. R. Soc. xix. p. 494; <i>id. ibid.</i> *Phil. Trans. 1872, clxxii. p. 41, t. 2, f. 1 and 2, t. 3, f. 1 and 3, t. 4, f. 5 and 6, t. 9, f. 1—4, 6—8, t. 10, f. 1—3, 7 and 8, t. 11; <i>id. ibid.</i> *Extinct Mam. of Australia, 1877, pp. 249—269, p. 272 <i>et seq.</i> p. 514, <i>cut.</i> f. 1, p. 250, <i>cut.</i> f. 2, p. 269, Atlas, t. 36, f. 1 and 2, t. 37, f. 1—3, t. 88, t. 39, t. 40, t. 43, f. 1—4, 6—8, t. 44, f. 1—3, 7 and 8, t. 45, t. 88, f. 11—14.</p>	King's Creek; Condamine River; Gowrie Creek, Darling Downs, Qu.
<i>N. Victoriae, Owen.</i>	Lacustrine Deposits.	<p>*Phil. Trans. 1872, clxxi. p. 61, t. 7, t. 10, f. 4—6; *Extinct Mam. of Australia, 1877, pp. 269—71, p. 513, Atlas, t. 41, t. 44, f. 4—6.</p>	Lake Victoria, S. Australia.
<i>O. Cooperi, Owen.</i>		<p>Proc. R. Soc. 1873, xxi. p. 128; *Phil. Trans. 1874, clxiv. p. 261, t. 24, f. 17 and 18; *Extinct Mam. of Australia, 1877, p. 412, t. 84, f. 17 and 18.</p>	Darling Downs, Qu.

(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
O. Gouldii, <i>Owen</i> .		Proc. R. Soc. 1873, xxi , p. 128; *Phil. Trans. 1874, clxiv , p. 261, t. 23, f. 15 and 16; *Extinct Mam. of Australia, 1877, pp. 413—414, t. 83, f. 15 and 16.	
Genus <i>Pachysiagon</i> , <i>Owen</i> , 1873. (Proc. R. Soc. xxi , p. 386; Phil. Trans. clxiv , p. 784.)— <i>Pephaga-Macropodidae</i> .			
P. Ferragus, <i>Owen</i> .	Quaternary Deposits.	<i>Macropus</i> , *Phil. Trans. clxiv , pt. 2, p. 784, t. 81, f. 4, t. 82, f. 3 and 4, t. 83, f. 3; <i>Pachysiagon</i> , *Extinct Mam. Australia, 1877, pp. 449—450, t. 96, f. 4, t. 97, f. 3 and 4, t. 105, f. 3. *Phil. Trans. clxiv , pt. 2, p. 784, t. 76, f. 7—10.	
P. Otuel, <i>Owen</i> .			
Genus <i>Palorchestes</i> , <i>Owen</i> , 1873. (Proc. R. Soc. xxi , 386; Phil. Trans. clxiv , p. 797.)— <i>Pephaga-Macropodidae</i> .			
P. Azael, <i>Owen</i> .	Quaternary Deposits.	*Phil. Trans. clxiv , pt. 2, p. 798, t. 81, f. 1 and 2, t. 82, f. 1 and 2, t. 83, f. 1; *ibid. clxvi , p. 197, t. 19, t. 20, t. 21, t. 22, f. 1—4, t. 23, f. 1, 2, and 5, t. 24, t. 29, f. 1—3; *Extinct Mam. of Aus- tralia, 1877, pp. 466—470, p. 500, t. 96, f. 1 and 2, t. 97, f. 1 and 2, t. 105, f. 1, t. 106, t. 107, t. 115, f. 1, 2 and 5, t. 116, f. 1—3, t. 129, t. 130, f. 1—4, t. 131.	
Genus <i>Peragalea</i> , <i>J. E. Gray</i> ¹ , 1841. (In Grey's Jour. Two Expeds. N. and N. W. Australia, II. p. 401; <i>Macrotis</i> , Waterhouse, Nat. Hist. Mam. 1846, I. p. 358.) <i>Entomophaga-Peramelidae</i> .			
P. sp. ind.	Cave-breccia.	Krefft, Aust. Vertebrata, 1871, p. 21.	Wellington Valley Caves, N. of Wales.
Genus <i>Perameles</i> , <i>Geoffroy</i> , 1804 (Ann. Muséum, IV. pp. 56 and 59; Waterhouse, Nat. Hist. Mam. 1846, I. p. 256) = <i>Isoodon</i> , Desmarest. <i>Entomophaga-Peramelidae</i> .			
P. nasuta, <i>Geof.</i>	Cave-breccia.	*I. c. p. 62, t. 44; Waterhouse, *Nat. Hist. Mam. 1846, I. p. 374; <i>P. nasuta</i> ? Krefft, Australian Vert. 1871, p. 21.	Wellington Valley Caves, N. of Wales.

¹ Written by Gray *Paragalia*.

(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>Obesula</i> , <i>Shaw.</i>	Cave-breccia.	<i>Didelphis</i> , *General Zool. 1800, i. pt. 2, p. 490; <i>Perameles</i> , Geoffroy, Ann. Muséum, iv. p. 64, t. 45; <i>id.</i> Waterhouse, *Nat. Hist. Mam. 1846, i. p. 368; <i>id.</i> M'Coy, Geol. Survey, Vict. sheet 7, N. W. note; <i>P. obesula?</i> Krefft, Austr. Vert. 1871, p. 21.	Wellington Valley Caves, N. S. Wales.
<i>sp. ind.</i>	Cave-breccia.	Krefft, Geol. Mag. 1865, ii. p. 573.	Wellington Valley Caves, N. S. Wales.

Genus *Phalangista*, *Cuvier*, 1799 or 1800? (Leçons d'Anatomie Comparée, i. Tab. Général; Waterhouse, Nat. Hist. Mam. 1846, i. p. 265.)
Carpophaga-Phalangistidae.

<i>fuliginosa</i> , <i>Ogilby.</i>	Subfossil?	*Proc. Zool. Soc. 1831, p. 135, Waterhouse, *Nat. Hist. Mam. 1846, i. p. 288; Krefft, Trans. R. Soc. N. S. Wales, for 1867 (1868), i. p. 32.	Glenorchy Cave, Tas.
<i>vulpina</i> , <i>Shaw.</i>	Cave-deposit.	<i>Didelphis</i> , *General Zool. 1800, i. pt. 2, p. 503; <i>Phalangista</i> , Temminck, Mon. Mammologie, 1827, i. p. 6; <i>id.</i> Owen, Odontog. i. p. 388, ii. t. 100, f. 1; <i>id.</i> Waterhouse, *Nat. Hist. Mam. 1846, i. p. 284; <i>id.</i> M'Coy, Geol. Survey, Vict. sheet 7, N. W. note; <i>id.</i> Krefft, Austr. Vert. 1871, p. 18; <i>id. ibid.</i> Mam. of Australia, 1871, t. 8.	Mt. Macedon Cave, near Gisborne, Vict.
<i>sp. ind.</i>	Cave-breccia.	Owen, Mitchell's *Three Exps. Int. E. Austr. 1838, ii. p. 361, nos. 7, a and b (2 sp.); Waterhouse, *Nat. Hist. Mam. 1846, i. p. 358; Woods, Geol. Obs. S. Austr. 1862, p. 380; Krefft, Geol. Mag. 1865, ii. p. 572.	Wellington Valley Caves, N. S. Wales.

Genus *Phascolagus*, *Owen*, 1873. (Pro. Roy. Soc. xxi. p. 128.)
Poephaga-Macropodidae.

<i>altus</i> , <i>Owen.</i>	Cave-breccia and Quaternary Deposits.	<i>Macropus Titan</i> , Owen, Mitchell's *Three Exps. Int. E. Austr. 1838, ii. t. 29, figs. 4 and 5 (non figs. 3, 6 and 8); <i>P. altus</i> , Owen, *l. c. p. 128; <i>id.</i> *Phil. Trans. 1874, clxiv. p. 261, t. 22, figs. 1 and 2; * <i>id. ibid.</i> clxvi. p. 218, t. 30, f. 1—6; * <i>id.</i> Extinct Mam. of Australia, 1877, pp. 414 and 498, t. 82, f. 1 and 2, t. 111, t. 117, f. 1—6.	Wellington Valley Caves, N. S. Wales; also in Queensland.
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(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Phascolomys</i> , <i>Geoffroy</i> , 1803 (Ann. Muséum, Hist. Nat. II. p. 365 ; Waterhouse, Nat. Hist. Mam. 1846, I. p. 242) = <i>Vombatus</i> , <i>Geoff.</i> <i>Rhizophauga-Phascolomidae</i> .			
<i>P. gigas</i> , <i>Owen</i> .	Quaternary Deposits.	<i>Extinct Wombat</i> , Trans. Zool. Soc. III. p. 306; <i>P. gigas</i> , Encyclop. Brit. 1859, XVII. p. 175, f. 114; <i>id.</i> Palaeontology, 1860, p. 395, f. 140; <i>id. ibid.</i> 2nd ed. 1861, p. 431, f. 172; <i>id. d'Archiac</i> , Faune Quaternaire, 1865, p. 271; <i>id.</i> <i>Owen</i> , Proc. R. Soc. 1872, XX. p. 306; <i>P. (Phascolomys) Owen</i> , Phil. Trans. 1872, CLXII. pp. 248—254, t. 36, f. 1, 3 and 4; <i>id. ibid.</i> Extinct Mam. of Australia, 1877, pp. 346—353, t. 61, t. 62, t. 63, f. 1, 3 and 4, t. 64, f. 1—3, t. 65.	Eton Vale; Drayton Station; Clifton Plains, &c., Qu.
<i>P. Krefftii</i> , <i>Owen</i> .	Cave-breccia.	Proc. R. Soc. 1872, XX. p. 66; *Phil. Trans. 1872, CLXII. p. 178, t. 17, f. 2 and 6, t. 19, f. 3, t. 20, f. 2; t. 22, f. 6 and 7, t. 23, f. 4 and 5; *Extinct Mam. of Austr. 1877, p. 319, p. 353, t. 50, f. 2 and 6, t. 52, f. 6 and 7, t. 53, f. 3, t. 54, f. 2, t. 56, f. 4 and 5.	Wellington Valley Caves, N. S. Wales.
<i>P. latifrons</i> , <i>Owen</i> .	Cave-breccia.	*Proc. Zool. Soc. 1845, p. 82; *Trans. <i>ibid.</i> 1849, III. p. 303, t. 37, f. 4—7; Osteol. Cat. R. Coll. Surgeons, 1853, I. p. 334; <i>Lasiorhinus</i> , <i>McCoyii</i> , <i>Gray</i> , *Annals Nat. Hist. 1863, XI. p. 458; <i>P. latifrons</i> , <i>Murie</i> , Proc. Zool. Soc. 1865, p. 844, f. 1; <i>Lasiorhinus (Phas.) id.</i> * <i>ibid.</i> p. 864, t. 47; <i>Phascolomys</i> , <i>id. ibid.</i> 1867, p. 807, f. 2, p. 811, f. 4; <i>id. Krefft</i> , Proc. Zool. Soc. 1872, p. 795; <i>id. Owen</i> , *Phil. Trans. 1872, CLXII. pp. 176, 179, 180, 191, t. 19, f. 4, t. 20, f. 1, t. 21, f. 3 and 4, t. 22, f. 3—5, t. 23, f. 3—9, <i>cuts</i> , f. 4, f. 6 and f. 8; <i>id. Trans. Zool. Soc. 1873</i> , VIII. pt. 6, pp. 346—358, t. 50, f. 4 and 7, t. 51, f. 5, t. 52, f. 5, t. 53, f. 1—5, t. 54, f. 3 and 5, t. 55, f. 3 and 4, t. 56, f. 3 and 5, t. 57, f. 3, 5 and 7; <i>id. ibid.</i> 1874, VIII. pt. 7, pp. 488—497, t. 69, f. 1, 2, 5—12, t. 70, f. 1, 2, 5—10, t. 71, f. 1—3 and 7, t. 72, f. 1, 2, 5—9 and 11, t. 73, f. 1, 3, 5 and 7, t. 74; <i>id. *Extinct Mam. of Australia</i> ,	Wellington Valley Caves, N. S. Wales.

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(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. magnus</i> , Owen.	Quaternary Deposits.	1877, pp. 317—332, p. 353, <i>cuts</i> , f. 4, p. 318, f. 6, p. 320, f. 8, p. 321, <i>Atlas</i> , t. 52, f. 3—5, t. 53, f. 4, t. 54, f. 1, t. 55, f. 8 and 4, t. 56, f. 3 and 9, t. 57, f. 1; t. 68, f. 2, t. 98, f. 1, 2, 5 and 12; t. 99, f. 1 and 2, 5—10, t. 100, f. 1—3 and 7, t. 101, f. 1 and 2, 5—9 and 11, t. 102, f. 1, 3, 5 and 7, t. 103, t. 127, f. 7. Proc. R. Soc. 1872, xx. p. 306; Murie, Proc. Zool. Soc. 1865, p. 851—864; Owen, *Extinct Mam. of Austr. 1877, pp. 344, 346, 353, t. 60, f. 1—6.	Eton Vale and Drayton Station, Darling Downs, Qu.
<i>P. mediis</i> , Owen.	Quaternary Deposits and Cave-breccia.	Proc. R. Soc. 1872, xx. p. 306; *Phil. Trans. 1872, clxxii. p. 241, t. 32, f. 2—7; t. 33, f. 2—6, t. 34, t. 35, f. 7; Owen, *Extinct Mam. of Austr. 1877, pp. 389—344, p. 353, <i>Atlas</i> , t. 57, f. 2—7, t. 58, f. 2—6, t. 59, t. 60, f. 7.	Eton Vale and Drayton Station, Darling Downs, Qu. Wellington Valley Caves, N. S. Wales.
<i>P. Mitchelli</i> , Owen.	Cave-breccia, and Quater- nary De- posits.	Mitchell's *Three Expeds. Int. E. Austr. 1838, II. p. 362, t. 30, f. 4—6, nos. 8 a—c; *Descrip. Cat. Mam. and Aves, R. Coll. Surgeons, 1845, pp. 333—334, nos. 1540, 1541, and 1542; Waterhouse, *Nat. Hist. Mam. 1846, I. p. 244; Woods, Geol. Obs. S. Austr. 1862, p. 381; <i>Phascolomys platyrhinus</i> (pars), Murie, Proc. Zool. Soc. 1865, p. 853; <i>P. Mitchelli</i> , d'Archiac, Faune Quaternaire, 1865, p. 271; <i>id.</i> Krefft, Geol. Mag. 1865, II. p. 573; <i>id.</i> Murray, Geogr. Distrib. Mam. 1866, p. 363; <i>id.</i> Owen, Proc. R. Soc. 1872, XX. p. 67; <i>id. ibid.</i> *Phil. Trans. 1872, clxxii. pp. 177—179, 181, 182, 191, t. 17, f. 1—3 and 5, 7 and 8, t. 18, f. 1—7, t. 19, f. 5, t. 21, f. 5 and 6; <i>id. ibid.</i> *Extinct Mam. of Australia, 1877, pp. 318, 320, 322, 324, 332, 353, t. 50, f. 1, 3—5, 7 and 8, t. 51, f. 1—7, t. 53, f. 5, t. 55, f. 5. Proc. R. Soc. 1872, xx. p. 67; *Phil. Trans. 1872, clxxii. p. 193, t. 19, f. 6 and 7, t. 20, f. 6—8, t. 23, f. 6 and 7, t. 38, f. 5; *Extinct Mam. of Austr. 1877, pp. 334—335, 353, <i>Atlas</i> , t. 53, f. 6 and 7, t. 54, f. 6—8, t. 56, f. 6 and 7, t. 63, f. 5 and 6.	Wellington Valley Caves, N. S. Wales. Gowrie, Darling Downs, Qu.
<i>P. parvus</i> , Owen.	Quaternary Deposits.	Proc. R. Soc. 1872, xx. p. 67; *Phil. Trans. 1872, clxxii. p. 193, t. 19, f. 6 and 7, t. 20, f. 6—8, t. 23, f. 6 and 7, t. 38, f. 5; *Extinct Mam. of Austr. 1877, pp. 334—335, 353, <i>Atlas</i> , t. 53, f. 6 and 7, t. 54, f. 6—8, t. 56, f. 6 and 7, t. 63, f. 5 and 6.	King's Ck., Darling Downs, Qu.

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(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. platyrhinus, Owen.</i>	Quaternary Deposits.	*Osteol. Cat. R. Coll. Surgeons, 1853, i. p. 334; Murie, Proc. Zool. Soc. 1865, p. 844, f. 3, p. 853; <i>id. ibid.</i> 1867, p. 799, t. 35, p. 806, f. 1, p. 811, f. 6; Krefft, Proc. Zool. Soc. 1872, p. 796; Owen, Proc. R. Soc. 1872, xx. p. 67; *Phil. Trans. 1872, clxxii. pp. 175, 180, 193, 197, t. 19, f. 2, t. 20, f. 3—5, t. 21, f. 2, t. 23, f. 1—8, <i>cuts</i> , f. 3, 5 and 7; <i>id. Trans. Zool. Soc.</i> 1873, viii. pt. 6, pp. 346—358, t. 50, f. 1, 2 and 5, t. 51, f. 1 and 2, t. 52, f. 1—3, t. 53, f. 6, t. 54, f. 2 and 4, t. 55, f. 2, t. 56, f. 1 and 4, t. 57, f. 1, 4 and 6; <i>id. ibid.</i> 1874, viii. pt. 7, pp. 483—497, t. 69, f. 3, 4 and 13, t. 70, f. 3 and 4, t. 71, f. 4—6 and 8, t. 72, f. 3, 4 and 10, t. 73, f. 2, 4 and 6; <i>id. Extinct Mam. of Australia</i> , 1877, pp. 328—334, 353, <i>cuts</i> , f. 3, p. 316, f. 5, p. 320, f. 7, p. 321, <i>Atlas</i> , t. 52, f. 2, t. 53, f. 2, t. 54, f. 3—5, t. 55, f. 2, t. 56, f. 1 and 8, t. 58, f. 1, t. 98, f. 3, 4 and 13, t. 99, f. 3 and 4, t. 100, f. 4—6, t. 101, f. 3, 4 and 10, t. 102, f. 2, 4 and 6.	Eton Vale, Darling Downs, and Condamine R. Qu.
<i>P. Pliocenus, M'Coy.</i>	Quaternary Deposits?	<i>Phascolomys, sp.</i> Exhib. Essay, 1861, p. 168; <i>id. Annals Nat. Hist.</i> 1862, ix. p. 145; <i>P. pliocenus</i> , <i>id.</i> 1867, xx. p. 190; Smyth's Progress Report, 1874, i. p. 36; *Geol. Survey, Vict. Dec. i. 1874, p. 21, t. 3, 4 and 5; Smyth's Progress Report, 1876, iii. p. 74.	Bet-Bet Ck. Vict.
<i>P. Thomsoni, Owen.</i>	Quaternary Deposits.	Proc. R. Soc. 1872, xx. p. 67; *Phil. Trans. 1872, clxxii. p. 192, t. 18, f. 8 and 9, t. 21, f. 7; *Extinct Mam. of Australia, 1877, pp. 333 and 353, <i>Atlas</i> , t. 51, f. 8 and 9, t. 55, f. 7.	Drayton Station, Darling Downs, Qu.

Genus *Plectodon*, Krefft, 1871?—*Carpophaga-Phalangistidae*.

<i>P. sp. ind.</i>	Krefft, Australian Vertebrata, 1871, p. 19.
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Genus *Procoptodon*, Owen, 1873. (Proc. R. Soc. xxii. p. 386; Phil. Trans. clxv. p. 786.)—*Pophaga-Macropodidae*.

<i>P. Goliath, Owen.</i>	<i>Macropus</i> , in Waterhouse's *Nat. Hist. Mam. 1846, i. p. 59;	Darling Downs, Qu.
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(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>P. pusio, Owen.</i>		Murray, Geogr. Dist. Mam. 1866, p. 363; <i>Procoptodon</i> , Owen, *Phil. Trans. clxv. pt. 2, p. 791, t. 79, t. 80; <i>id. ibid.</i> * <i>id. clxvi.</i> p. 222, t. 22, f. 5, t. 23, f. 3 and 4; <i>id. ibid.</i> *Extinct Mam. of Australia, 1877, pp. 460—465, 494, 502, Atlas, t. 92, f. 1—5, t. 94, t. 95, t. 115, f. 3 and 4, t. 118, f. 8—10, t. 121, t. 130, f. 5?	
<i>P. Rapha, Owen.</i>		*Phil. Trans. clxv. pt. 2, p. 788, t. 77, f. 2—7; * <i>ibid. clxvi.</i> p. 222, t. 31, f. 1—5, 10—12; *Extinct Mam. of Australia, 1877, pp. 454—457, Atlas, t. 89, f. 7—10, t. 90, f. 2—7, t. 91, t. 119, f. 1—5, 10—12.	

Genus *Protemnodon, Owen, 1873.* (Proc. R. Soc. xxi. p. 128.)
Papthaga-Macropodidae.

<i>P. Anak, Owen.</i>	Cave-breccia; Quaternary Deposits.	<i>Macropus Atlas</i> , *Descrip. Cat. Mam. and Aves, R. Coll. Surgeons, 1845, pp. 325 and 327 (nos. 1513 and 1519); <i>Macropus Anak</i> , Quart. Jour. Geol. Soc. 1859, xv. p. 185; <i>Protemnodon</i> , Proc. R. Soc. 1873, xxi. p. 128; <i>id. Phil. Trans.</i> 1874, clxv. p. 275, t. 23, f. 4—9, t. 25, f. 1—4, 7—10 and 14; <i>id. Extinct Mam. of Australia</i> , 1877, pp. 428—430, 449, 498, Atlas, t. 83, f. 4—9, t. 85, f. 1—4, 7—10 and 14, t. 120, f. 1—6.	Wellington Valley Caves, N. S. Wales. Eton Vale, Darling Downs, Qu.
<i>P. Antæus, Owen.</i>		*Extinct Mam. of Australia, 1877, p. 448, t. 88, f. 18, t. 110.	
<i>P. Mimas, Owen.</i>	Cave-breccia; Quaternary Deposits.	Proc. R. Soc. 1873, xxi. p. 128; *Phil. Trans. 1874, clxv. p. 278, t. 24, f. 13—16, t. 26, f. 1—8, t. 27, f. 1—4 and 14; *Extinct Mam. of Australia, 1877, pp. 431—434, 447, 448, Atlas, t. 84, f. 13—16, t. 86, f. 1—8, t. 87, f. 1—4 and 14.	Wellington Valley Caves, N. S. Wales. Gowrie Creek, and Eton Vale, Dar- ling Downs, Qu.

(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
P. Og, Owen.		Proc. R. Soc. 1873, xxi. p. 128; *Phil. Trans. 1874, CLXIV. p. 277, t. 25, f. 5—6, 11—18; *Extinct Mam. of Australia, 1877, p. 430, t. 85, f. 5 and 6, 11—13.	
P. Rhæchus, Owen.	Quaternary Deposits.	Proc. R. Soc. 1873, xxi. p. 128; *Phil. Trans. 1874, CLXIV. p. 281, t. 27, f. 10—13; *Ex- tinct Mam. of Australia, 1877, p. 434, t. 87, f. 10—13.	Clifton Station, Darling Downs, Qu.
P. sp. ind.		Owen, Extinct Mam. of Australia, 1877, t. 120, f. 7 and 8.	

Genus *Sarcophilus*, F. Cuvier, 1838 (see p. 173).—*Sarcophaga-Dasyuridae*.

S. laniarius, Owen.	Cave-breccia.	<i>Dasyurus</i> , Mitchell's *Three Ex- peds. Int. E. Australia, 1838, ii. p. 363, t. 31, f. 3—6; <i>id.</i> Odontography, i. p. 374; <i>id.</i> *Descrip. Cat. Mam. and Aves, R. Coll. Surgeons, 1845, p. 334 —335, nos. 1543—1547; <i>id.</i> Waterhouse, *Nat. Hist. Mam. 1846, i. p. 452; <i>id.</i> Woods, Geol. Obs. S. Australia, 1862, p. 382; <i>id.</i> d'Archia, Faune Quaternaire, 1865, p. 269; <i>id.</i> Murray, Geogr. Dist. Mam. 1866, p. 362; <i>Sarcophilus</i> , Owen, *Extinct Mam. of Aus- tralia, 1877, p. 105, t. 5, f. 1 —6.	Wellington Valley Caves, N. S. Wales.
S. ursinus, Harris.	Cave-breccia.	<i>Didelphis</i> , *Trans. Linn. Soc. ix. p. 176, t. 19, f. 2; <i>Dasyurus</i> , Temmink, Mon. d. Mammalogie, 1827, i. p. 68, t. 68; <i>Diabolus</i> , Gray, in Grey's Jour. Two Expeds. N. W. and W. Australia, 1841, ii. p. 400; <i>Dasyurus</i> , Waterhouse, *Nat. Hist. Mam. 1846, i. p. 448; <i>Dasyurus</i> , Gould, Mam. of Aus- tralia, 1863, i. p. 55; <i>id.</i> d'Archia, Faune Quaternaire, 1865, p. 269; <i>Diabolus</i> , M'Coy, in Geol. Survey, Vict. 2 sheet 7, N. W. note; <i>Dasyurus</i> , Owen, *Osteol. Cat. R. Coll. Surgeons, 1853, i. p. 346; <i>Sarcophilus</i> , Krefft, Australian Vert. 1871, p. 21; <i>id.</i> Owen, *Extinct Mam. Australia, 1877, p. 105, Atlas, t. 13, f. 2, t. 14, f. 2, t. 15, f. 2, <i>cut</i> , f. 20, p. 103.	Wellington Valley Caves, N. S. Wales. Mt. Macedon Cave, near Gisborne, Vict.

(Marsupalia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
<i>S. sp. ind.</i>	Cave-breccia.	Krefft, Geol. Mag. 1865, II. p. 573 (1 or more species).	Wellington Valley Caves, N. S. Wales.
Genus <i>Sthenurus</i> , Owen, 1873. (Proc. R. Soc. xxi. p. 128.)— <i>Papthaga-Macropodidae.</i>			
<i>S. Atlas</i> , Owen.	Cave-breccia, and Qua- ternary De- posits.	<i>Macropus</i> , *Mitchell's "Three Ex- peds. Int. E. Australia, 1838, II. p. 359, t. 29, f. 1; <i>id. Odonto- graphy</i> , I. p. 392, <i>Atlas</i> , t. 101, f. 3—5; <i>id. *Brit. Assoc. Rep.</i> 1844, p. 236; <i>id. *Descrip. Cat.</i> <i>Mam.</i> and <i>Aves</i> , R. Coll. Sur- geons, 1845, p. 325; <i>id. Water- house</i> , "Nat. Hist. Mam. 1846, I. p. 57; <i>id. d'Archiac</i> , <i>Hist. Pro- grès de la Géol.</i> 1848, II. pt. 1, p. 417; <i>id. Owen</i> , <i>Palaéontology</i> , 1860, p. 394; <i>id. Athos</i> , Woods, <i>Geol. Obs.</i> S. Australia, 1862, p. 378; <i>M. Atlas</i> , <i>d'Archiac</i> , <i>Faune Quaternaire</i> , 1865, p. 270; <i>id. Murray</i> , <i>Geogr. Dist. Mam.</i> 1866, p. 363; <i>id. M'Coy</i> , <i>Annals</i> <i>Nat. Hist.</i> 1867, xx. p. 191; <i>Sthenurus</i> , Owen, <i>Proc. R. Soc.</i> 1873, xvi. p. 128; <i>id. ibid.</i> * <i>Phil. Trans.</i> 1874, CLXIV. p. 265, t. 20, f. 30, t. 22, f. 3—9, t. 24, f. 4—9; <i>Macropus</i> , M'Coy, in <i>Smyth's Progress Report</i> , I. 1874, p. 86; <i>Sthenurus</i> , Owen, * <i>Phil. Trans.</i> CLXVI. p. 210, t. 25, f. 2 and t. 26, f. 4; <i>Ma- cropus</i> , M'Coy, in <i>Couchman's</i> <i>Progress Report</i> , IV. 1877, p. 158; <i>Sthenurus</i> , Owen, * <i>Proc. Zool.</i> <i>Soc.</i> 1877, p. 352, t. 38, f. 5—11; <i>id. ibid.</i> * <i>Extinct Mam. of Aus- tralia</i> , 1877, pp. 416—424, 439 —442, 446, <i>Atlas</i> , t. 76, f. 2 and 3, t. 77, f. 4 and 5, t. 79, f. 4, t. 80, f. 30, t. 82, f. 3 and 9, t. 84, f. 4—9, t. 88, f. 1—4.	Wellington Valley Caves, N. S. Wales. Condamine River, Darling Downs, Qu. Duck Ponds, near Geelong, Vict.
<i>S. Brehus</i> , Owen.	Cave-breccia.	Proc. R. Soc. 1873, xxi. p. 128; * <i>Phil. Trans.</i> 1874, CLXIV. p. 272, t. 27, f. 5—9; * <i>id. CLXVI.</i> p. 218, t. 28; * <i>Proc. Zool. Soc.</i> 1877, p. 352, t. 38, f. 12—17; * <i>Ex- tinct Mam. of Australia</i> , 1877, pp. 424—427, 442—446, 494, <i>Atlas</i> , t. 87, f. 5—9; t. 88, f. 5 —10, t. 92, f. 6 and 7, t. 108, t. 109, and t. 77, f. 7?	Wellington Valley Caves, N. S. Wales.
<i>S. minor</i> , Owen.		* <i>Proc. Zool. Soc.</i> 1877, p. 353, t. 37, t. 38, f. 1—4.	

(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Thylacinus</i> , Temminck, 1827. (Mon. d. Mammologie, i. p. 60; Waterhouse, Nat. Hist. Mam. 1846, i. p. 453.)— <i>Sarcophaga-Dasyuride</i> .			
<i>T. cynocephalus</i> , Harris.	Cave-breccia.	<i>Didelphis</i> , *Trans. Linn. Soc. ix. p. 174, t. 19, f. 1; <i>Thylacinus Harrisii</i> , Temminck, loc. cit. p. 68; <i>Thylacinus cynocephalus</i> , Waterhouse, *Nat. Hist. Mam. 1846, i. p. 456; <i>id.</i> Owen, *Osteol. Cat. R. Coll. Surgeons, 1853, i. p. 347; <i>Dasyurus</i> , Gould, *Mam. of Australia, 1863, i. p. 61; <i>Thylacinus</i> , Krefft, Australian Vertebrata, 1871, p. 21; <i>id. ibid.</i> *Mam. of Australia, 1871, t. 12; <i>id.</i> Owen, *Extinct Mam. of Australia, 1877, p. 106, t. 12, f. 2, t. 18, f. 3, t. 15, f. 3, cut, f. 5, p. 74.	Wellington Valley Caves, N. S. Wales.
<i>T. spelaeus</i> , Owen.	Cave-breccia.	<i>Dasyurus lanarius</i> (pars), Owen, Mitchell's *Three Expeds. Int. E. Australia, 1838, ii. p. 363, t. 31, f. 7; <i>T. spelaeus</i> , <i>ibid.</i> *Descrip. Cat. Mam. and Aves, R. Coll. Surgeons, 1845, pp. 335, 336, nos. 1548 and 1549; <i>id.</i> Waterhouse, *Nat. Hist. Mam. 1846, i. p. 455; d'Archiac, Faune Quaternaire, 1865, p. 269; Murray, Geogr. Dist. Mam. 1866, p. 362.	Wellington Valley Caves, N. S. Wales.
<i>T. sp. ind.</i>	Cave-breccia.	Krefft, Geol. Mag. 1865, ii. p. 573 (1 or more sp.).	Wellington Valley Caves, N. S. Wales.

Genus *Thylacoleo*, Owen, 1858 (Proc. R. Soc. ix. p. 565)—*Schizodon*, Stutchbury (non Agassiz, nec Waterhouse).—*Carpophaga-Phalangistida*.

<i>T. carnifex</i> , Owen.	Cave-breccia, and Lacustrine Deposits.	<i>Schizodon</i> , sp. Stutchbury, Parl. Blue Book, Dec. 1854, p. 52, cuts, p. 54; <i>T. carnifex</i> , Owen, Proc. R. Soc. 1858, ix. p. 585; *Phil. Trans. 1859, cxlix pp. 309—322, t. 11, figs. 1—6, t. 13, figs. 1, 4 and 5, t. 14, f. 1, t. 15, f. 1; Encyclop. Brit. 1859, xvii. p. 175, f. 115; *Palaeontology, 1860, p. 396, f. 141; <i>ibid.</i> 2nd ed. 1861, p. 432, f. 173; Falconer, *Quart. Jour. Geol. Soc. 1862, xviii. pp. 353 and 368, figs. 16—19; Krefft, Geol. Mag. 1865, ii. p. 574; d'Archiac, Faune Quaternaire, 1865, p. 269; Owen, Proc. R. Soc. 1865, xiv. p. 343;	Wellington Valley Caves, N. S. Wales.
			Lake Columboolac, 80 miles S. W. of Melbourne, Vict. Gowrie, Darling Downs, Qu.

(Marsupialia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
T. sp. ind.		<p>*Phil. Trans. 1866, CLVI. p. 73, t. 2, 3 and 4; Krefft, *Annals Nat. Hist. 1866, XVIII. p. 148, t. 11, f. 1; Flower, *Quart. Jour. Geol. Soc. 1868, XXIV. p. 307; Falconer, *Pal. Mem. 1868, II. p. 437; Krefft, Quart. Jour. Geol. Soc. 1870, XXVI. p. 415; Owen, Proc. R. Soc. 1870, XXX. p. 95; <i>id.</i> *Phil. Trans. 1870, CLX. p. 224; <i>id. ibid.</i> 1871, CLXI. p. 218, t. 11, 12, 13, 14; Krefft, *Annals Nat. Hist. 1872, X. pp. 169 and 181, t. 11, f. 1—4, t. 12; McCoy, *Geol. Survey, Vict. 1876, Dec. III. p. 7, t. 21; *Extinct Mammals of Australia, 1877, pp. 107—188, <i>cuts</i>, f. 1, p. 149, f. 2 and 3, p. 150, f. 4, p. 151, f. 5, p. 152, f. 6—8, p. 153, f. 9 and 10, p. 154, f. 11 and 12, p. 155, f. 13, p. 165, f. 14 and 15, p. 168, f. 16—18, p. 170, f. 19, p. 174; <i>Atlas</i>, t. 6, f. 1, 6, 9, 10 and 12, t. 7, f. 1—14, t. 8, f. 1—6, t. 9, f. 1—9, t. 10, t. 11, t. 18, f. 1, 4—8, t. 14, f. 1, t. 15, f. 1, t. 16, t. 17, t. 18.</p> <p>Krefft, Austr. Vert. 1871, p. 19.</p>	
Z. trilobus, Macleay.		<p>*loc. cit. in Owen, Quart. Jour. Geol. Soc. 1858, XIV. p. 542; <i>id. ibid.</i> 1859, XV. p. 168; Macdonald, in Owen, <i>loc. cit.</i> p. 169; Owen, <i>loc. cit.</i> p. 170; <i>?Nototherium Mitchelli</i>, Owen, <i>loc. cit.</i> t. 7, f. 1—4; Huxley, Quart. Jour. Geol. Soc. 1862, XVIII. pp. 423 and 424, <i>note</i>; Krefft, Annals Nat. Hist. 1872, X. p. 180.</p>	King's Creek, Darling Downs, Qu.
Z. Macleayi, Krefft (ms.).		Austr. Vert. 1871, p. 19.	

Genus *Zygomaturus*, Macleay, 1857? (Cat. Donations Australian Mus. Sydney, Aug. 1857?!)—*Carpophaga-Phalangistidae*.

(Edentata—Rodentia.)

(Post Tertiary.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Section—Placentalia. Order—Edentata.

Genus *Mylodon*, *Owen*, 1840. (Zool. Voy. Beagle, pt. 1. Foss. Mams. p. 68.)
Bradyopodidae.

M. ? <i>Australis</i> , <i>Krefft</i> .	Austr. Vert. 1871, p. 17; <i>Mylodon</i> ? sp. Annals Nat. Hist. 1872, x. p. 180.
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Order—Carnivora.

Genus *Canis*, *Linnaeus*, 1735. (Syst. Nat. !)—*Digitigrada-Canidae*.

C. <i>Dingo</i> , <i>Blumenbach</i> .	Cave-breccia.	Handbuch, p. 103! Shaw, *General Zool. 1800, i. pt. 2, p. 277, t. 76; <i>C. familiaris</i> , var. <i>Australasiae</i> , Gray, in Grey's Jour. Two Expeds. N. and N. W. Australia, 1841, i. p. 400; <i>C. dingo</i> , Owen, *Osteol. Cat. R. Coll. Surgeons, ii. pp. 692—694; Gray, List Mammalia Brit. Mus. 1843, p. 57; M'Coy, Exhib. Essay, 1861, p. 168; <i>id.</i> Annals Nat. Hist. 1862, x. p. 145; <i>id.</i> Geol. Survey, Vict. 1 sheet 7, N. W. note; <i>id.</i> Krefft, Trans. R. Soc. N. S. Wales, 1862—65, p. 3; Gould, *Mam. of Austr. 1863, iii. pp. 51 and 52; <i>left lower canine of Dingo</i> ? Krefft, Geol. Mag. 1865, ii. p. 574; Mivart, Proc. Zool. Soc. 1865, p. 579, f. 9; Krefft, Trans. R. Soc. N. S. Wales, 1868, i. pp. 32 and 34; Gray, Proc. Zool. Soc. 1868, p. 509; Krefft, *Mam. of Austr. 1871, t. 2; <i>Teeth of Dingo</i> ? <i>id.</i> Australian Vert. 1871, p. 17.	Wellington Valley Cave, N. S. Wales. Mt. Macedon Cave, near Gisborne, Vict.
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Order—Rodentia.

The bones and teeth of six or more species of *Hapalitis* and *Mus* have been found in the Wellington Valley Caves, and exhibit characters by which they may be distinguished from the living forms of the same genera (Krefft, *Aust. Vert.* p. 17).

(Incertæ Sedis.)

(Incertæ Sedis.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Incertæ Sedis

(including species to which either no definite geological horizon, locality, or systematic position can be assigned).

Plantæ.

Genus *Austrella*, *Dana*, 1849. (Geol. U. S. Explor. Exped. p. 720.)

<i>A. rigida</i> , <i>Dana</i> .	*loc. cit. p. 720, Atlas, t. 14, f. 7 and 8.	Newcastle, N. S. Wales.
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Class—Actinozoa.

Corallites Wiltoni, Leichhardt.	In Clarke, Quart. Jour. Geol. Soc. 1848, IV. p. 62.	Newcastle, N. S. Wales.
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Class—Crustacea (Malacostraca).

Genus *Thalassina*, *Latreille*, 1806. (Gen. Crust. et Insect. I. p. 51.)
Decapoda-Macrura.

<i>T. Emerii</i> , <i>Bell</i> .	Proc. Geol. Soc. 1844, IV. p. 360, cut; <i>T. antiqua</i> , Bell, Annals Nat. Hist. 1844, XIV. p. 455; <i>T. Emerii</i> , *Quart. Jour. Geol. Soc. 1845, I. p. 93, cut; <i>id. et T. antiqua</i> , Bronn, Index Pal. (Nomen), p. 1265.	New Holland.
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Class—Reptilia (Amphibia).

Genus *Bothriiceps*, *Huxley*, 1859. (Quart. Jour. Geol. Soc. XV. p. 647.)
Labyrinthodontia?

<i>B. Australis</i> , <i>Huxley</i> .	*l. c. p. 647.	Australia.
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(Incertæ Sedis.)

(Incertæ Sedis.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
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Class—Mammalia.

Genus **Mastodon**, *Cuvier*, 1806. (Ann. Museum, viii. p. 270.)—*Proboscidea*.**M. Australis**, *Owen*. | Vide *Trilophodon*. |Genus **Trilophodon**, *Falconer*, 1857. (Quart. Jour. Geol. Soc. xiii. pp. 313, 316.)
Proboscidea.**T. Australis**, *Owen*.

Mastodon, *Annals Nat. Hist. 1844, xiv. p. 269, figs. 1 and 2; *id.* Hobson, Tas. Jour. ii. p. 206; *id.* Owen, Calcutta, Jour. Nat. Hist. 1845, v. p. 573, f. 1; *id.* d'Archiac, Progrès de la Géol. 1848, ii. pt. 1, p. 417; *id.* Strzelecki, Phys. Descr. N. S. Wales, 1845, p. 312; *Trilophodon Humboldti*, Falconer (pars), Quart. Jour. Geol. Soc. 1857, xiii. p. 319 (Synop. table); *T. Andium* (Cuv.), *id.* Nat. Hist. Review, 1863, p. 96; *Mastodon Australis*, d'Archiac, Faune Quaternaire, 1865, p. 267; *T. Audium* (Cuv.), Falconer, Pal. Mem. 1868, ii. pp. 14 and 15, Synop. Table, note 1, p. 275, note 2; *M. Australis*, *ibid.* i. pp. 64 and 105.

APPENDIX.

Giving Species or References which have been published whilst the preceding pages have been passing through the press, and too late for insertion in their proper places; or, those which have been previously overlooked.

(Plantæ.)	(Appendix.)		
Genus and Species.	Strat. Subdivision.	References.	Localities, &c.

Plantæ.

Genus <i>Clasteria</i> , <i>Dana</i> , 1847.	(Geol. U. S. Expl. Exped. p. 719.)	Vide <i>Vertebraria</i> .
<i>C. Australis</i> , <i>Dana</i> .		Vide <i>Vertebraria Australis</i> , <i>M'Coy</i> .

Genus *Glossopteris*, *Brongniart* (see pp. 80 and 96).

<i>G. Browniana</i> , <i>Brong</i> .	See pp. 80 and 96; Feistmantel, Records Geol. Survey, India, 1877, x. pt. 3, p. 140, pt. 4, p. 208; <i>id.</i> Pal. Indica, 1877, ser. xi. No. 2, p. 9.
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Genus *Tasmanites*, *E. T. Newton*, 1875 (Geol. Mag. Dec. 2, n. p. 341) = *Sporangites* (in part), *Dawson*.—*Cryptogamia-Lycopodiaceæ*.

<i>T. punctatus</i> , <i>New-ton</i> .	Devonian or Carboniferous?	Milligan, Proc. R. Soc. V. D. Land, 1852, ii. pp. 96 and 97; Archer, <i>ibid.</i> p. 511; <i>Particles or flakes</i> , Penny, <i>ibid.</i> 1855, iii. p. 108; Moore, <i>ibid.</i> p. 177; <i>Discs</i> , Lee, <i>ibid.</i> p. 187; <i>Sporangia</i> , Balfour, Trans. R. Soc. Edinb. 1857, xxi. p. 193, Expl. pl. 2; <i>Resinous particles</i> , Gould, Report on Resinous Shales, R. Mersey, 1861, p. 3; Church, Chem. News, 1862, vi. p. 122; <i>Algæ</i> , Ralph, Trans. R. Soc. Vict. 1865, vi. p. 7; <i>Discs</i> , Carruthers, Geol. Mag. 1865, ii. p. 439; <i>Scales</i> , Church, Phil. Mag. pp. 465, 466, f. 1—6; <i>Spores</i> , &c. Dawson, American Jour. Sc. 1871, ci. p. 257; <i>id.</i> Canadian	R. Mersey, <i>Tas.</i>
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(Animalia.)

(Appendix.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
		Nat. and Geol. 2nd ser. v. 1871, p. 371; <i>Spores</i> , &c. Huxley, Critiques and Addresses, no. 5, 1873, p. 103; <i>Sporangia</i> , Lyell, Student's Elements, 2nd ed. 1874, p. 405, f. 448 C and D; <i>Tasmanites punctatus</i> , E. T. Newton, "Geol. Mag." 1875, Dec. 2, II. pp. 337—342, t. 10, f. 1—9; <i>T. Australis</i> , Johnston, On <i>Tasmanite</i> , or Mersey Yellow Coal, &c., 1877, p. 6; Newton, Proc. R. Soc. Tas. for 1876 (1877), p. 4.	

Genus *Vertebraria* (Royle), M'Coy (see p. 101) = *Clasteria*, Dana.

V. Australis, M'Coy.		See p. 101; <i>Clasteria Australis</i> , Dana, Geol. U. S. Expl. Exped. p. 719, Atlas, t. 14, f. 3—5; Clarke, S. Goldfields, 1860, 2nd ed. p. 285; <i>V. Australis</i> + <i>C. Australis</i> , Feistmantel, Records Geol. Survey, India, 1877, x. pt. 4, p. 199.
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Genus *Zeugophyllites*, Brong. (see p. 101).

Z. elongatus, Morris.		See p. 101; Feistmantel, Records Geol. Survey, India, 1877, x. pt. 4, p. 200.
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Animalia.

Genus *Purisiphonia*, Bowerbank, 1869. (Proc. Zool. Soc. 1869, p. 342; see p. 104.)
Rhizopoda-Spongidae.

P. Clarkei, Bower- bank.		See p. 104; "Proc. Zool. Soc. 1869, p. 342, t. 25, f. 6 and 7; Carter, "Annals Nat. Hist. 1878, I. p. 376.
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Genus *Goniograptus*, M'Coy, 1876. (Annals Nat. Hist. xviii. p. 130.)
Hydrozoa-Graptolitidae.

G. Thureai, M'Coy.	L. Sil. (Lland. Flags).	<i>Didymograptus</i> (<i>Goniograptus</i>), *loc. cit. p. 189, fig.; <i>Graptolites</i> (<i>Didymograptus</i>), *Geol. Survey, Vict. Dec. v. 1877, p. 39, t. 50, f. 1—4.	Sandhurst (Bendi- go), Vict.
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(Animalia.)

(Appendix.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Ceratotrochus</i> , <i>Edwards</i> and <i>Haime</i> , 1848. (Ann. Sc. Nat. 3rd ser. ix. p. 248; <i>Edwards</i> , Hist. Nat. Corall. II. p. 73.)— <i>Actinozoa-Aporosa-Turbinolidae</i> .			
<i>C. fenestratus</i> , <i>Tenison-Woods</i> .	Tertiary.	Fide <i>Tenison-Woods</i> (<i>in lit.</i>).	
Genus <i>Graphularia</i> , <i>Edwards</i> and <i>Haime</i> , 1850. (Mon. Brit. Foss. Corals, Introd. p. lxxxiii.; <i>Edwards</i> , Hist. Nat. Corall. I. p. 216.)— <i>Actinozoa-Alcyonaria-Pennatulidae</i> .			
<i>G. Robinæ, M'Coy.</i>		*Geol. Survey, Vict. Dec. v. 1877, p. 32, t. 48, f. 2-4 (compare <i>Belmenite senescens</i> , <i>Tate</i> .)	Waurn Ponds, nr. Geelong, Vict.
Genus <i>Platytrochus</i> , <i>Edwards</i> and <i>Haime</i> , 1848. (Ann. Sc. Nat. 3rd ser. ix. p. 248; <i>Edwards</i> , Hist. Nat. Corall. II. p. 71.)— <i>Actinozoa-Aporosa-Turbinolidae</i> .			
<i>P. fissicostatus</i> , <i>Tenison-Woods</i> .	Tertiary.	Fide <i>Tenison-Woods</i> (<i>in lit.</i>).	
<i>P. planicostatus</i> , <i>Tenison-Woods</i> .	Tertiary.	Fide <i>Tenison-Woods</i> (<i>in lit.</i>).	
Genus <i>Salenia</i> , <i>Wright</i> (<i>see p. 143</i>).— <i>Echinodermata</i> .			
<i>S. Tertiaria, Tate</i> .		See p. 148; <i>Duncan, Annals Nat. Hist.</i> 1878, II. p. 60.	
Genus <i>Buskia</i> , <i>Tenison-Woods</i> ¹ , 1876. (<i>Notes, Tertiary, Foss. Tas.</i> p. 63.) <i>Polyzoa-Cheilostomata</i> .			
<i>B. typica</i> , <i>Tenison-Woods</i> .	Table Cape Series (L. or M. Ter.?).	loc. cit. p. 63.	Table Cape, <i>Tas.</i>
Genus <i>Atrypa</i> , <i>Dalman</i> (<i>see p. 18</i>).— <i>Brachiopoda</i> .			
<i>A. reticularis</i> , <i>Linn.</i>	Up. Sil.	See p. 18; <i>M'Coy, *Geol. Survey, Vict. Dec. v. 1877, t. 47, f. 1 and 2.</i>	<i>Yering, Vict.</i>
Genus <i>Nucleospira</i> , <i>Hall</i> (<i>see p. 20</i>).— <i>Brachiopoda</i> .			
<i>N. Australis, M'Coy.</i>		See p. 20; *Geol. Survey, Vict. Dec. v. 1877, p. 27, t. 47, f. 7 and 8.	
Genus <i>Pentamerus</i> , <i>J. Sowerby</i> (<i>see p. 20</i>).— <i>Brachiopoda</i> .			
<i>P. Australis, M'Coy.</i>	Up. Sil. (May Hill Sand- stone).	See p. 20; *Geol. Survey, Vict. Dec. v. 1877, p. 28, t. 47, f. 9 —12.	<i>Yering, Vict.</i>

¹ I have already pointed out in the *Geological Magazine* (Dec. 2, 1877, IV. p. 417 note), that Prof. Busk's name has been previously used in a generic sense by the late Mr Alder for a recent Polyzoan (see Alder, *Trans. Tyneside Nat. Field Club*, III. p. 156). It will in consequence be necessary for the author of the above genus to make some alteration in his name.

(Animalia.)

(Appendix.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Rhynchonella</i> , <i>Fischer</i> (see p. 21).			
<i>R. decemplicata</i> , <i>J. de C. Sowerby</i> .	Up. Sil. (May Hill Sand-stone).	<i>Terebratula</i> , Sil. System, 1839, p. 641, t. 21, f. 17; <i>Rhynchonella</i> , Salter, "Mem. Geol. Survey, Gt. Brit. 1866, III. p. 278; <i>R. (Hemithyris)</i> , M'Coy, "Geol. Survey, Vict. Dec. v. 1877, p. 26, t. 47, f. 3—6.	Wallan, &c., Vict.
Genus <i>Spirifera</i> , <i>J. Sowerby</i> (see p. 22).			
<i>S. plicatella</i> , <i>Linn.</i>	Up. Sil. (Wenlock).	See p. 22; <i>S. plicatella</i> , var. <i>macropleura</i> (Conrad), M'Coy, "Geol. Survey, Vict. Dec. v. 1877, p. 22, t. 46, f. 7 and 8.	
<i>S. sulcata</i> , <i>Hisinger</i> .	Up. Sil. (Wenlock).	<i>Delthea</i> <i>Suecica</i> , 1837, p. 73, t. 21, f. 6; <i>Spirifera</i> , Davidson, "Mon. Brit. Sil. Brach. p. 91, t. 10, f. 4—6; <i>id.</i> M'Coy, "Geol. Survey, Vict. Dec. v. 1877, p. 23, t. 46, f. 9 and 10.	Yering, Vict.
Genus <i>Strophomena</i> , <i>Blainville</i> (see p. 22).— <i>Brachiopoda</i> .			
<i>S. rhomboidalis</i> , <i>Wilckens</i> .	Up. Sil. (Wenlock).	See p. 22; <i>Leptæna (Leptagonia)</i> , M'Coy, "Geol. Survey, Vict. Dec. v. 1877, p. 19, t. 46, f. 1.	Yering, Vict.
Genus <i>Trematospira</i> , <i>Hall</i> (see p. 23).— <i>Brachiopoda</i> .			
<i>T. formosa</i> , <i>Hall</i> .		See p. 23; M'Coy, "Geol. Survey, Vict. Dec. v. 1877, p. 22, t. 46, f. 7 and 8.	
<i>T. liopleura</i> , <i>M'Coy</i> .		See p. 23; M'Coy, "Geol. Survey, Vict. Dec. v. 1877, p. 21, t. 46, f. 2—5.	
Genus <i>Pecten</i> , <i>O. F. Müller</i> (see p. 76).— <i>Pelecypoda</i> .			
<i>P. asperrimus</i> , <i>La-marck</i> .	Pliocene.	Histoire Anim. sans Vertèb. VI. p. 174; G. B. Sowerby, jun. Thesaurus Conchyl. I. p. 75, no. 94; Reeve, Conch. Iconica, 1855, VIII. Mon. Genus <i>Pecten</i> , no. 75, t. 20, f. 75; Adams, Genera, 1858, II. p. 551; Tennyson-Woods, Census, Marine Shells of Tasmania, p. 89; <i>P. Australis</i> , G. B. Sowerby, jun. loc. cit. p. 76, t. 19, f. 210 and 220; <i>id.</i> Angas, Proc. Zool. Soc. 1865, p. 656.	Government House Quarry, Adelaide, S. Australia.

(Animalia.)

(Appendix.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
I. Foulcheri, <i>Tenison-Woods.</i>		Fide Tenison-Woods (<i>in lit.</i>).	
I. Gambierensis, <i>Tenison-Woods.</i>		Fide Tenison-Woods (<i>in lit.</i>).	
Genus <i>Bulla</i> , <i>Klein</i> (see p. 159).			
<i>Roblonga</i> , <i>A. Adams.</i>	Raised Beaches.	Angas, Proc. Zool. Soc. 1867, p. 226; Hutton, "Cat. Marine Moll. N. Zealand, 1873, p. 52; Tenison-Woods, Census, Marine Shells of Tasmania, p. 24 (= <i>B. Australis</i> , of some authors, non Q. and G.).	Guichen Bay, and Lake Eliza, S. Australia.
Genus <i>Cypræa</i> , <i>Linnaeus</i> (see p. 161).— <i>Gasteropoda.</i>			
<i>leonsobrina</i> , <i>M'Coy.</i>	Oligocene, or L. Miocene?	<i>Cypræa (Aricia)</i> , "Geol. Survey, Vict. Dec. v. 1877, p. 36, t. 49, f. 2.	Moorabool R., Vict.
<i>contusa</i> , <i>M'Coy.</i>	Oligocene.	<i>Cypræa (Luponia)</i> , "Geol. Survey, Vict. Dec. v. 1877, p. 37, t. 49, f. 3 and 4.	Mounts Eliza and Martha, Vict.
<i>leptorhyncha</i> , <i>M'Coy.</i>	Oligocene.	<i>Cypræa (Luponia)</i> , "Geol. Survey, Vict. Dec. v. 1877, p. 35, t. 49, f. 1.	Mounts Eliza and Martha, Vict.
Genus <i>Lunella</i> , <i>Bolten</i> , 1798. (Adams, Genera, Recent Moll. 1854, i. p. 54.)			
<i>undulata</i> , <i>Chemnitz.</i>	Raised Beaches.	<i>Turbo</i> , Conch. Cab. x. t. 169, f. 1640—41!; Reeve, Conch. Iconica, 1847, rv. Mon. Genus <i>Turbo</i> , no. 8, t. 1, f. 3 a and b; <i>Lunella</i> , Adams, Genera, 1854, l. p. 324; <i>id.</i> Angas, Proc. Zool. Soc. 1865, p. 177; <i>id. ibid.</i> 1867, p. 213; <i>Turbo</i> , Hutton, Cat. Marine Moll. N. Zealand, 1873, p. 34; <i>id. v.</i> Martens, Critical List, Moll. N. Zealand, 1873, p. 30; <i>id.</i> Tenison-Woods, Census, Marine Shells of Tasmania, p. 15.	<i>Australia.</i>
Genus <i>Natica</i> , <i>Adanson</i> (see p. 114).— <i>Gasteropoda.</i>			
<i>polita</i> , <i>Tenison-Woods.</i>		Fide Tenison-Woods (<i>in lit.</i>).	
Genus <i>Pleurotomaria</i> , <i>Defrance</i> (see p. 85).— <i>Gasteropoda.</i>			
<i>Woodsi</i> , <i>Johnston.</i>	Devonian or Carboniferous?	On Tasmanite, or Mersey Yellow Coal, 1877, p. 8.	Rivér Mersey, Tas.

(Animalia.)

(Appendix.)

Genus and Species.	Strat. Subdivision.	References.	Localities, &c.
Genus <i>Rissoina</i> , <i>d'Orbigny</i> (see p. 114).— <i>Gasteropoda</i> .			
<i>R. concatenata</i> , <i>Tenison-Woods</i> .	?Table Cape Series (L. or M. Ter.?).	Proc. R. Soc. Tas. for 1876 (1877), p. 155.	Table Cape?, <i>Tas.</i>
Genus <i>Ceratodus</i> , <i>Agassiz</i> , 1838. (<i>Poissons Foss.</i> III. pp. 129 and 166; <i>Gunther, Phil. Trans.</i> 1871, clxxi. pt. 2, p. 514; <i>Miall, Mon. Sirenoid and Crossop. Ganoids</i> , 1872, p. 18.)— <i>Ganoidei</i> .			
<i>C. sp. ind.</i>	River Gravels (P. Tertiary.)	Clarke, Remarks Sed. Formations N. S. Wales, 1875, p. 60; <i>id.</i> Mines and Min. Statistics, N. S. Wales, 1875, p. 205; <i>Miall, Pal. Indica</i> , 1878, iv. no. 2, p. 17.	Darling Downs, <i>Queensland</i> .
Genus <i>Thylacinus</i> , <i>Temminck</i> (see p. 194).— <i>Marsupalia</i> .			
<i>T. major</i> , <i>Owen</i> .	Cave-breccia.	<i>Dasyurus</i> , <i>sp.</i> Mitchell's Two Ex- pds. Int. E. Austr. 1838, p. 363, t. 31, f. 7; <i>Thylacinus</i> , Foss. Mam. Australia, p. 106, t. 5, f. 7—9.	Wellington Valley Caves, N. S. Wales.

LIST OF THE MORE IMPORTANT WORKS, REPORTS,
AND PAPERS CONSULTED IN THE COMPILATION
OF THE "CATALOGUE OF AUSTRALIAN FOSSILS."

Adams, A. On the Animal of *Liotia*. Gray, &c. (*Proc. Zool. Soc.* 1850.)

Adams, A. On the Genera and Species of recent Brachiopoda found in the seas of Japan. (*Annals Nat. Hist.* 1863, xi.)

Adanson. Histoire Naturelle du Sénegal. Coquillages. Paris, 1757. 4to.

Agassiz, A. Illustrated Catalogue of the Museum of Comparative Zoölogy at Harvard College. No. vii. Revision of the Echini. Parts 1—4. 4to. Cambridge (Mass.), 1872—74.

Agassiz, L. Prodrôme d'une monographie des Radiaires ou Echinodermes. (*Mém. Soc. Sciences Nat. Neuchatel*, 1835, 1.)

Agassiz, L. Description des Echinodermes fossiles de la Suisse; prem. partie, Spatangoïdes et Clypéastroïdes; sec. partie, Cidarides. (*Nouv. Mém. Soc. Helvétique*. 1889, vol. iii., and 1840, vol. iv.)

Agassiz, L. Etudes Critiques sur les Mollusques fossiles. Monographie des Myes. Neuchatel, 1842—45. 4to.

Agassiz, L. Recherches sur les Poissons fossiles, &c. Neuchatel, 1833—43. 5 vols. 1.p. 4to; 5 vols. pls. folio.

Agassiz, L. Monographie des Poissons fossiles du Vieux Grès-rouge ou Système Dévonien (Old Red Sandstone des Iles Britanniques, et de Bussie). 4to, 1844. Atlas, folio, 1844—45. Neuchatel.

Agassiz, L. et E. Desor. Catalogue Raisonné des Familles des Genres et des Espèces de la Classe des Echinodermes. (*Annales des Sciences Naturelles; Zoologie*. 3rd Series. Vol. vi. 1846, vii. 1847, viii. 1847.)

Alth, Dr A. Geognostisch-paläontologische Beschreibung der nächsten Umgebung von Lemberg. (*Haidinger's Naturwiss. Abhandl.* 1849, iii.)

Angas, G. F. On the Marine Molluscan Fauna of the Province of South Australia, &c. Pts. 1 and 2. (*Proc. Zool. Soc.* 1865.)

Angas, G. F. A List of Species of Marine Mollusca found in Port Jackson Harbour, New South Wales, and on the adjacent coasts, with Notes on their Habits, &c. (*Proc. Zool. Soc.* 1867.)

Anon. G. B. Sowerby's Genera of Recent and Fossil Shells, &c. (*Zool. Jour.* 1827—28, iii.)

Archer, W. On the Combustible Schist found at the Mersey River, Tas. (*Proc. R. Soc. V. D. Land*, ii. p. 511.)

Balfour, Prof. J. H. On certain Vegetable Organisms found in Coal from Fordel. (*Trans. R. Soc. Edinb.* 1857, xxi. pt. 1.)

Barrande, J. Système Silurien du Centre de la Bohême. 12 vols. à Prague et Paris. 4to.

Barrande, J. Notice préliminaire sur le Système Silurien, et les Trilobites de Bohême. Leipzig, 1846. 8vo.

Barrande, J. Graptolites de Bohême. 1850. 8vo.

Becker, L. On the Age of the Animal and Vegetable Kingdoms of Australia relatively to that of the rest of the World; and some remarks on the Changes of this Land by Upheavals. (*Trans. Phil. Inst. Vict.* 1857, 1.)

Bell, Prof. T. On the *Thalassina Emerii*, a Fossil Crustacean, forwarded by Mr W. S. Macleay, from New Holland. (*Proc. Geol. Soc.* 1844, iv.; *Quart. Jour. Geol. Soc.* 1845, i.)

Bell, Prof. T. On a Fossil Crustacean from New Holland. (*Annals Nat. Hist.* 1844, xiv.)

Beneden, van, & P. Gervois. *Ostéographie des Cétacés vivants et fossiles, &c.* Paris, 4to. (Livraison 13.)

Bennett, Dr G. Notes on the *Chlamydosaurus*, or Frilled Lizard of Queensland (*Ch. Kingii* Gray), and the discovery of a Fossil Species on the Darling Downs, Queensland. (*Proc. R. Soc. Tas.* for 1875.)

Berkeley, Rev. M. J. Observations upon the *Dentalium subulatum* of Deshayes. (*Zool. Jour.* 1882—34, v.)

Beyrich. Über einige böhmische Trilobiten. Berlin, 4to. 1845.

Beyrich. *Gebirgsarten und Versteinerungen von Koepang auf Timor.* (*Zeit. deutschen geol. Gesellschaft.* 1862, xv.)

Beyrich. Über eine Kohlenkalk-Fauna von Timor. (*Abhandl. d. K. Akad. d. Wissensch. zu Berlin aus dem Jahre* 1864, xxxvi. 1865.)

Beyrich. Über einige Trias-Ammoniten aus Asien. (*Monats. d. K. Preuss. Akad. d. Wissen., aus dem Jahre* 1864. Berlin, 1865.)

Bigsby, Dr J. J. *Thesaurus Siluricus. The Flora and Fauna of the Silurian Period.* London, 1868. 4to.

Billings, E. Report in Logan's Report of Progress, Geological Survey of Canada, for the year 1857. Montreal, 1858. 8vo.

Billings, E. Palæozoic Fossils. Geological Survey of Canada. Vol. i. 1861—5. Montreal. 8vo.

Billings, E. On the Parallelism of the Quebec Group, with the Llandeilo of England and Australia, &c. (*Canadian Nat. and Geol.* 1863, viii.)

Blainville, de. Article "Mollusques." (*Dict. Sci. Nat.* 1824, xxxii.)

Blainville, H. M. D. de. *Manuel de Malacologie et de Conchyliologie.* Paris, 1825—27. 2 vols. 8vo.

Blainville, de. Article "Zoophytes." (*Dict. Sci. Nat.* 1830, lx.)

Blandowski, W. Report II. to the Honourable the Surveyor-General on an excursion to Frankston, Balcombe's Creek, Mount Martha, Port Phillip Heads, and Cape Shank. (*Trans. Phil. Inst. Vict.* 1857, i.)

Blandowski, W. Report III. to the Honourable the Surveyor-General on an Excursion from King's Station to Bass' River, Phillip and French Islands. (*Trans. Phil. Inst. Vict.* 1857, i.)

Bosquet, J. *Monographie des Crustacés fossiles du Terrain Crétacé du Duché de Limbourg.* Haarlem. 4to.

Bowerbank, Dr J. S. A Monograph of the British Spongiadæ. 8vo. London, 3 vols.; *Ray Soc.* (Vol. i. 1864.)

Bowerbank, Dr J. S. A Monograph of the Siliceo-fibrous Sponges. (*Proc. Zool. Soc.* 1869.)

Brady, G. S. On New or Imperfectly known Species of Ostracoda. (*Trans. Zool. Soc.* 1865, v. pt. 5.)

Brady, G. S. A Synopsis of the Recent British Ostracoda. (*Intellectual Observer*, 1868, xii.)

Brady, G. S. A Monograph of the Recent British Ostracoda. (*Trans. Linn. Soc.* xxvi.)

Brady, H. B. Contributions to the knowledge of the Foraminifera. On the Rhizopodal fauna of the Shetlands. (*Trans. Linn. Soc.* 1864, xxiv.)

Brady, H. B., W. K. Parker and T. Rupert Jones. A Monograph of the Genus *Polymorphina.* (*Trans. Linn. Soc.* 1871, xxvii.)

Brander, G. *Fossilia Hantoniensia collecta, et in Musæo Britannico deposita.* Londini. 1766. 4to.

Breynius. *Dissertatio Physica de Polythalamis.* Gedani (Dantzig). 1782. 4to.

Brocchi, G. *Conchilologia fossile subapennina con Osservazioni geologiche sugli Apennini e sul suolo adiacente.* Milano, 1814. 2 vols. 4to.

Bronniart, A. *Histoire Naturelle des Crustacés fossiles, sous les Rapports Zoologiques et Géologiques.* Savoir: Les Trilobites. Paris, 1822. 4to.

Bronniart, A. *Prodrome d'une Histoire des Végétaux Fossiles.* Paris, 1828. 8vo.

Bronniart, A. *Histoire des Végétaux fossiles.* Paris, 1828. 4to.

Bronn, H. G. *Index Palæontologicus oder Übersicht der bis jetzt bekannten fossilen Organismen. Nomenclator.* Stuttgart, 1848. 8vo.

Bronn, H. G. *Lethæa Geognostica oder Abbildung und Beschreibung der für die Gebirgs-Formationen bezeichnendsten Versteinerungen.* Stuttgart, 3 vols. 8vo., 1 vol. plates. imp. 4to. 1851—56.

Brown, R. *On the Proteaceæ of Jussieu.* (*Trans. Linn. Soc.* 1811, x.)

Brüggemann, Dr F. *Notes on Stony Corals in the Collection of the British Museum.* (*Annals Nat. Hist.* 1877, xx.)

Bruguière. *Histoire naturelle des Vers.* (*Encyclopédie Méthodique.*) Paris, 4to. 3 vols. (Tome i. 1789 par Bruguière. Tome ii. 1830, et iii. 1832, par G. P. Deshayes.)

Buch, L. von. *Über Spirifer Keilhavii, &c.* (*Abh. d. K. Akad. d. Wissenschaften zu Berlin aus dem Jahre 1846*, xi. 1848.)

Buch, L. von. *Remarks on the Spirifer Keilhavii.* (*Quart. Jour. Geol. Soc.* 1847, iii.)

Bunbury, Sir C. J. F. *Notes on a Collection of Fossil Plants from Nágpur, Central India.* (*Quart. Jour. Geol. Soc.* 1861, xvii.)

Burman, J. *Thesaurus Zeylanicus.* 4to. Amsterdam, 1737.

Burmeister, H. *The Organization of Trilobites, deduced from their Living Affinities, &c.* (English Translation by Profs. Bell and Forbes.) London, 1846. 4to. (*Ray Soc.*)

Busk, Prof. G. *Catalogue of Marine Polyzoa in the Collection of the British Museum.* London. Pts. 1 and 2. 1852—4. Pt. 3, 1875.

Busk, Prof. G. *Zoophytology.* (*Quart. Jour. Micro. Science.* 1855, iii.)

Busk, Prof. G. *A Monograph of the Fossil Polyzoa of the Crag.* London, 1859, 4to. (*Pal. Soc.*)

Busk, Prof. G. *Notes on Fossil Polyzoa from the Polyzoal Limestone of Mt Gambier, S. Australia.* (*Quart. Jour. Geol. Soc.* xvi.)

Busk, Prof. G. *Description of New Polyzoa, collected by J. Y. Johnson at Madeira in the years 1859 and 1860.* (*Quart. Jour. Micro. Science.* n. ser. i. 1861.)

Carpenter, W. B. (assisted by W. K. Parker and T. R. Jones.) *Introduction to the Study of the Foraminifera.* (*Ray Soc.*) London, 1862. 4to.

Carruthers, W. *On an Undescribed Cone from the Carboniferous beds of Airdrie, Lanarkshire.* (*Geol. Mag.* 1865, ii.)

Carruthers, W. *Notes on some Fossil Plants.* (*Geol. Mag.* 1872, ix.)

Carruthers, W. *Notes on Fossil Plants from Queensland.* (*Quart. Jour. Geol. Soc.* 1872, xxviii.)

Carter, H. G. *Emendatory Description of *Purisiphonia Clarkei*. Bk., a Hexactinellid Fossil Sponge from N. W. Australia.* (*Annals Nat. Hist.* 1878, i.)

Carter, H. J. *On the Form and Structure of the Shell of *Operculina Arabica*.* (*Annals Nat. Hist.* 1852, x.)

Chemnitz, J. H. *Neues systematisches Conchylien-Cabinet.* 11 vols. 4to. (Vol. xi, 1795.)

Chenu, Dr J. C. *Manuel de Conchyliologie et de Paléontologie conchyliologique.* Paris, 2 vols. 8vo. 1859—62.

Church, Prof. A. H. *Notes on the Minerals Dysodile and Albertite.* (*Chem. News*, 1862, vi.)

Church, Prof. A. H. On Tasmanite, a new Mineral of Organic Origin. (*Phil. Mag.* 1864, xxviii.; *Geol. Mag.* 1865, ii.)

Clarke, Rev. W. B. Remarks on the Identity of the Epoch of the Coal-beds and Palæozoic Rocks of N. S. Wales. (*Annals Nat. Hist.* 1848, ii.)

Clarke, Rev. W. B. On the Genera and Distribution of Plants in the Carboniferous System of New South Wales. (*Quart. Journ. Geol. Soc.* 1848, iv.)

Clarke, Rev. W. B. On the Occurrence of Trilobites in New South Wales, &c. (*ibid.*)

Clarke, Rev. W. B. Extract from Remarks on the Bones brought to Sidney by Mr Turner, published in the 'Sidney Morning Herald' of Nov. 30, 1847. (*Parl. Blue Book*, Dec. 1854; London, 1855.)

Clarke, Rev. W. B. On the Occurrence of Fossil Bones in the Auriferous Alluvia of New South Wales. (*Quart. Journ. Geol. Soc.* 1855, xi.)

Clarke, Rev. W. B. Researches in the Southern Goldfields of New South Wales. Sidney, 2nd Ed. 1860.

Clarke, Rev. W. B. On the Relative Positions of certain Plants in the Coal-bearing beds of Australia. (*Quart. Journ. Geol. Soc.* 1861, xvii.)

Clarke, Rev. W. B. On the Occurrence of Mesozoic and Permian Fauna in Eastern Australia. (*Quart. Journ. Geol. Soc.* 1862, xviii.)

Clarke, Rev. W. B. On the Coal seams near Stony Creek (junction of Singleton and Wollombi roads), West Maitland District, New South Wales. (*Trans. R. Soc. Vict.* 1865, vi.)

Clarke, Rev. W. B. On the Carboniferous and other Geological relations of the Maranoa District in Queensland, in reference to a discovery of Zoological Fossils in Wollombilla Creek and Stony Creek, West Maitland. (*Trans. R. Soc. Vict.* 1865, vi.)

Clarke, Rev. W. B. On Marine Fossiliferous secondary Formations in Australia. (*Quart. Jour. Geol. Soc.* 1867, xxiii.)

Clarke, Rev. W. B. *Dinornis*, an Australian Genus. (*Geol. Mag.* 1869, vi.)

Clarke, Rev. W. B. The *Dinornis* and Saurian Remains in Australia. (*American Jour. Sc.* 1870, xlxx.)

Conrad, T. A. Third Annual Report on the Palæontology of the Geological Survey of New York. (*Assembly Papers*, No. 50, Jan. 24, 1840.)

Conrad, T. A. Descriptions of new species of Organic Remains belonging to the Silurian, Devonian, and Carboniferous systems of the United States. (*Jour. Acad. Nat. Sci. Philadelphia*, 1842, vii. pt. 2.)

Conybeare, Rev. W. D., and Phillips, W. Outlines of the Geology of England and Wales, &c., 1822, pt. 1, 8vo.

Crépin, F. Note sur le *Pecopteris odontopteroïdes*. Morris. (*Bull. de l'Acad. R. de Belgique*, 1875, xxxix.)

Crosse, H. et P. Fischer. Diagnoses Molluscorum Australiæ meridionalis. (*Jour. de Conchyliologie*, 1864, xli.)

Cuvier, F. De quelques Espèces de Phoques et des groupes génériques entre lesquels elles se partagent. (*Mém. du Mus. d'Hist. Nat.* 1824, xi.)

Cuvier, F. Histoire naturelle des Mammifères. Paris. Folio.

Cuvier, G. Leçons d'Anatomie Comparée. Paris, 1805. (Tableau Général des classes des Animaux.)

Cuvier, G. Tableau élémentaire de l'Histoire Naturelle des Animaux. Paris. 8vo. Ar 6.

Cuvier. Suite du Mémoire sur les Éléphans vivans et fossiles. (*Annales du Mus. d'Hist. Nat.* 1806, viii.)

Cuvier, Le Chev. Le Règne Animal distribué d'après son organisation, &c. Paris, 4 vols. 1817. 8vo.

Czjzek, J. Beitrag zur Kenntniss der fossilen Foraminiferen des Wiener Beckens. (*Haidinger's Naturwissen. Abhandl.* 1848, ii.)

Daintree, R. On the age of the New South Wales Coal-beds. (*Geologist*, 1864. vii.; *Coll. Guardian*, 1864, vii.)

Daintree, R. Notes on the Geology of the Colony of Queensland. (*Quart. Jour. Geol. Soc.* 1872, xxviii.)

Dalman, J. W. Om Palaeaderna eller de så kallade Trilobiterna. Stockholm, 1827. 4to. (*Ur K. Vet. Acad. Handlingar för år 1826.*)

Dana, J. D. Description of Fossil shells of the Exploring Expedition under the command of Charles Wilkes, U.S.N., obtained in Australia from the lower layers of the Coal Formation in Illawarra, and from a deposit probably of nearly the same age at Harper's Hill, Valley of the Hunter. (*American Jour. Science*, 1847, iv.)

Dana, J. D. Fossils of the Exploring Expedition under the command of Charles Wilkes, U.S.N. (*American Jour. Science*, 1848, v.)

Dana, J. D. Geology of the United States Exploring Expedition during the years 1838—42, under the command of Charles Wilkes, U.S.N. 4to; Atlas, folio; New York. n. d.

D'Archiao, A. Histoire des Progrès de la Géologie de 1834—1845. Paris, 8vo. (Vol. n. pt. 1, 1848.)

D'Archiac, A. Note sur le genre *Murchisonia*. (*Bull. Soc. Géol. France*, 1841, xii.)

D'Archiac, Le Vicomte, et J. Haine. Description des Animaux fossiles du Groupe Nummulitique de l'Inde, précédée d'un Résumé géologique et d'une Monographie des Nummulites. Paris, 1853. 4to.

D'Archiac, A. Leçons sur la Faune Quaternaire, &c. Paris, 1865. 8vo.

Darwin, C. Geological Observations on the Volcanic Islands visited during the voyage of H.M.S. Beagle, &c. London, 1844. 8vo.

Darwin, C. Geological Observations on the Volcanic Islands and parts of South America, visited during the voyage of H. M. S. Beagle. 2nd ed. 1876.

Davidson, T. Mémoire sur les Brachiopodes du système Silurien supérieur d'Angleterre. (*Bull. Soc. Géol. France*. 2nd ser., 1848, v.)

Davidson, T. Monograph of the British Fossil Brachiopoda. Part 1. General Introduction; iii. On the Classification of the Brachiopoda. London, 4to. 1851—54. (*Pal. Soc.*)

Davidson, T. A Monograph of British Oolitic and Liassic Brachiopoda, 1851, London, 4to. (*Pal. Soc.*)

Davidson, T. Notes and Descriptions of a few Brachiopods, &c. (*Annals Nat. Hist.* 1852, ix.)

Davidson, T. A Monograph of British Carboniferous Brachiopoda. London, 1857—62. 4to. (*Pal. Soc.*)

Davidson, T. On Tertiary Brachiopoda. (*Geologist*, 1862, v.)

Davidson, T. On some Carboniferous Brachiopoda collected in India, &c. (*Quart. Jour. Geol. Soc.* 1862, xviii.)

Davidson, T. A Monograph of British Devonian Brachiopoda. London, 1864—65. 4to. (*Pal. Soc.*)

Davidson, T. A Monograph of British Silurian Brachiopoda. London, 1866—69. 4to. (*Pal. Soc.*)

Davidson, T. On Japanese Recent Brachiopoda. (*Proc. Zool. Soc.* 1871.)

Davies, W. and W. J. Barkas. List of Palæozoic Fishes. (*Geol. Mag.* 2nd ser. i. 1874.)

Dawson, Dr J. W. On an Undescribed Fossil Fern from the Lower Coal Measures of Nova Scotia. (*Quart. Jour. Geol. Soc.* 1861, xvii.)

Dawson, Dr J. W. On the Flora of the Devonian Period in North-Eastern America. (*Quart. Jour. Geol. Soc.* 1862, xviii.)

Dawson, Dr J. W. The Fossil Plants of the Devonian and Upper Silurian Formations of Canada. Montreal, 1871. 8vo. (*Mem. Geol. Survey, Canada.*)

Dawson, Dr J. W. On Spore Cases in Coals. (*American Jour. So.* 1871, 3rd ser. cl.; *Canadian Nat. and Geol.* 2nd ser. v. no. 4, 1871.)

Defrance. Article "Peigne" (*Pecten*) (*Dict. Sci. Nat.* 1825, xxxviii.)

Defrance. Article "Productus." (*Dict. Sci. Nat.* 1826, **XLIII.**)

Defrance. Article "Pleurotomaire." (*Dict. Sci. Nat.* 1826, **XLI.**)

Defrance, Prodrome—Tableau des Corps Organisés Fossiles précédé de Remarques sur leur Pétrification. Paris, 1824. 8vo.

De la Beche. Handbuch der Geognosie. Nach der zweiten Auflage des Engl. Originals bearbeitet von H. von Dechen. Berlin, 1832. 8vo.

Deshayes, G. P. Description des Coquilles fossiles des environs de Paris. 3 vols. Paris, 1824. 4to.

Deshayes, G. P. Anatomie et Monographie du Genre *Dentalium*. 4to.

Deshayes, G. P., and H. Milne Edwards. Lamarck's Histoire naturelle des Animaux sans Vertèbres. 11 vols. Paris, 1835—45. 8vo.

Deshayes, G. P. Description des Animaux sans Vertèbres découverts dans le Bassin de Paris, pour servir de supplément à la description des Coquilles Fossiles des Environs de Paris, &c. Paris, 1860—64. (Vol. II., 1864.)

Donovan, E. The Natural History of British Shells, including Figures and Descriptions of all the Species hitherto discovered in Great Britain, &c. 5 vols. London, 8vo.

D'Orbigny, A. Tableau Méthodique de la classe des Céphalopodes. (*Ann. des Sci. Nat.* 1826, **VII.**)

D'Orbigny, A. Foraminifères des Iles Canaries. 1839. 4to.

D'Orbigny, A. Mémoire sur les Foraminifères de la Craie blanche du Bassin de Paris. (*Mém. Soc. Géol. de France*, 1840, **IV.** pt. 1.)

D'Orbigny, A. Voyage dans l'Amérique Méridionale, &c., exécuté pendant les Années 1826—33, &c. Paris. Vol. III, parts 3, 4. 1842. Atlas, vol. VIII. 1847. (*Zoology*, vol. V. pt. 4, 1839—46. Atlas, vol. IX. 1847.)

D'Orbigny, A. Paléontologie Française; description zoologique et géologique de tous les Animaux mollusques et rayonnés fossiles de France, &c. Terrains Crétacés, 1840—44; Terrains Jurassiques, 1842—44. Paris. 8vo.

D'Orbigny, A. Dumont d'Urville's Voyage au Pôle sud. Atlas, Paléontologie, 6 plates, folio. Paris, 1846.

D'Orbigny, A. Foraminifères fossiles du Bassin Tertiaire de Vienne. Paris, 4to. 1846.

D'Orbigny, A. Sur les Brachiopodes ou Palliobranches. (*Comptes Rendus*, 1847, **XXV.**)

D'Orbigny, A. Prodrome de Paléontologie Stratigraphique Universelle des Animaux Mollusques et Rayonnés, &c. Paris, 2 vols. 1849—50.

Dumbril, A. M. C., and G. Bibron. Erpétologie générale, ou Histoire Naturelle des Reptiles. Paris, 8vo. (Vol. IV. 1837.)

Duncan, Prof. P. M. On the Fossil Corals of the West India Islands. (*Quart. Jour. Geol. Soc.* 1864, vol. **xx.**)

Duncan, Prof. P. M. A Description of some Fossil Corals and Echinoderms from the South Australian Tertiaries. (*Annals Nat. Hist.* 1864, **xv.**)

Duncan, Prof. P. M. A Description of some Fossil Corals from the South Australian Tertiaries. (*Annals Nat. Hist.* 1865, **xvi.**)

Duncan, Prof. P. M. Note on the Fossil Corals from Muddy and Violet Creeks, South Australia. (*Quart. Jour. Geol. Soc.* 1865, **xxI.**)

Duncan, Prof. P. M. On the Fossil Corals (Madreporaria) of the Australian Tertiary Deposits. (*Quart. Jour. Geol. Soc.* 1870, **xxvi.**)

Duncan, Prof. P. M. On some Fossil Corals from the Tasmanian Tertiary Deposits. (*Quart. Jour. Geol. Soc.* 1875, **xxxI.**)

Duncan, Prof. P. M. On some Fossil Reef-building Corals from the Tertiary Deposits of Tasmania. (*Quart. Jour. Geol. Soc.* 1876, **xxxII.**)

Duncan, Prof. P. M. On the Echinodermata of the Australian Cainozoic (Tertiary) Deposits. (*Quart. Jour. Geol. Soc.* 1877, **xxxIII.**)

Duncan, Prof. P. M. On the *Salenidae*, Wright. Part 2. Observations on the Morphology of Recent *Salenidae*, &c. (*Annals Nat. Hist.* 1877, **xx.**)

Edwards, F. E. A Monograph of the Eocene Mollusca, or descriptions of shells from the older Tertiaries of England. Part 1. Cephalopoda. London, 1849. 4to. (Pal. Soc.)

Edwards, H. Milne. Observations sur les Polypiers fossiles du genre *Eschara*. (*Annales des Sc. Nat. Zoologie*. 1836, vi.)

Edwards, Milne, and Jules Haime. Monographie des Polypiers fossiles des Terrains Paléozoïques, &c. Paris, 4to. (*Archiv. du Muséum d'Hist. Nat. v.*)

Edwards, Milne, and J. Haime. Mémoire sur les Polypiers appartenant aux groupes naturels des Zoanthaires perforés et des Zoanthaires tabulés. (*Comptes Rendus*. 1849, xxix.)

Edwards, H. Milne, and Jules Haime. A monograph of the British Fossil Corals. Introduction, &c. London, 1850. 4to. (Pal. Soc.)

Egerton, Sir P. de M. Grey. On some Ichthyolites from New South Wales, &c. (*Quart. Journ. Geol. Soc.* 1864, xx.)

Eichwald, E. Geognostico-zoologice per Ingriam marisque Baltici Provincias, necnon de Trilobitis observationes. Casani, 1825. 4to.

Eichwald, E. Zoologia Specialis quam expositis animalibus tum vivis, tum fossilibus, potissimum Rossiae in universum, et Polonie in specie, in usum lectionum publicarum in Universitate Cæsarea Vilnensi, &c. 3 vols. 8vo. Vilna, 1829—31.

Eichwald, E. Geognostische Uebersicht von Estland und den Nachbargenden. (*N. Jahrbuch*, 1840.)

Emmerich, H. F. De Trilobitis Dissertatio Petrefactologica, &c. Berlin, 8vo. 1839.

Emmons, Dr E. Geology of New York. Part 2. 1842. 4to.

Etheridge, R. Description of the Palæozoic and Mesozoic Fossils of Queensland. (*Quart. Journ. Geol. Soc.* 1872, xxviii.)

Etheridge, R. Jun. On the occurrence of a species of *Retepora* (allied to *R. phenicea*, Busk), in the Tertiary beds of Schnapper Point, Hobson's Bay. (*Trans. R. Soc. Vict.* 1874, xi.)

Etheridge, R. Jun. On a new species of the Genus *Hemipatagus*, Desor, from the Tertiary Rocks of Victoria, Australia, with notes on some previously described species from South Australia. (*Quart. Jour. Geol. Soc.* 1875, xxx.)

Etheridge, R. Jun. On some species of *Terebratulina*, *Waldheimia* and *Terebratula* from the Upper Tertiary deposits of Mount Gambier and the Murray River cliffs. (*Annals Nat. Hist.* 1876, xvii.)

Etheridge, R. Jun. South Australian Post-Tertiary Foraminifera and Ostracoda. (*Geol. Mag.* dec. 2, 1876, iii.)

Etheridge, R. Jun. Notes on some Upper Palæozoic Polyzoa, from Queensland. (*Trans. R. Soc. Vict.* 1876, xii.)

Etheridge, R. Jun. Gold in the Coal measures of New South Wales. (*Geol. Mag.* dec. 2, iv. 1877.)

Fabricius, O. Fauna Groenlandica. Systematici Sistens, &c. 1780, 8vo.

Falconer, Dr H. On the species of *Mastodon* and Elephant occurring in the fossil state in Great Britain. Part 1, *Mastodon*. (*Quart. Journ. Geol. Soc.* 1857, xiii.)

Falconer, Dr H. On the disputed affinity of the mammalian genus *Plagiaulax* from the Purbeck beds. (*Quart. Journ. Geol. Soc.* 1862, xviii.)

Falconer, Dr H. On the American Fossil Elephant, &c. (*Nat. Hist. Review*, 1863.)

Falconer, Dr H. Palæontological Memoirs and Notes of the late. Compiled and edited by C. Murchison, M.D. 2 vols. London, 1868. 8vo.

Feiffer, L. P. Catalogue of the Auriculidæ, Proserpinidæ, and Truncatellidæ in the Collection of the British Museum. London, 1857.

Feistmantel, Dr O. Notes on the age of some Fossil Floras in India. (*Records, Geol. Survey India*, 1876. ix. Parts 3—4.)

Feistmantel, Dr O. Jurassic (Liassic) Flora of the Rajmahal group, in the Rajmahal hills. (*Paleontologia Indica*, ser. ii. no. 2, 1877.)

Feistmantel, Dr O. Notes on Fossil Floras in India. (*Records, Geol. Survey of India*, 1877, x. pts. 3 and 4.)

Feistmantel, Dr O. Flora of the Jabalpur Group (Upper Gondwanas), in the Son-Narbada region. (*Paleontologia Indica*, 1877, ser. xi. no. 2.)

Férussac, Baron de. Tableaux Systématiques des animaux mollusques classés en Familles naturelles, dans lesquels on a établi la concordance de tous les systèmes, &c. à Paris et Londres, 1821. 4to.

Fichtel, L. von, und J. P. C. von Moll. *Testacea microscopica aliaque minuta ex generibus Argonauta et Nautilus, &c.* Wien, 1803. 4to.

Flower, W. H. On the affinities and probable habits of the extinct Australian Marsupial, *Thylacoleo carnifex*. Owen. (*Quart. Journ. Geol. Soc.* 1868, xxiv.)

Forbes, E. A Monograph of the Echinodermata of the British Tertiaries, London, 1852. 4to. (*Pal. Soc.*)

Fougt, H. *Dissertatio Corallia Baltica, &c.* Upsalæ, 4to.

Freminville, de. Description des Coquilles univalves du genre *Rissoa*; par A. G. Desmarest. (*Nouv. Bull. des Sci. par la Soc. Philomathique*. Paris, 1814, nos. 1 and 2.)

Gaimard. Mémoire sur une nouvelle espèce de Kanguroo laineux, *Kangurus laniger*. (*Bull. Sci. Soc. Philomathique de Paris*, 1823.)

Geinitz, Dr H. B. Die animalischen Ueberreste der Dyas. Leipzig, 1861. 4to.

Geoffroy, E. Notice sur une nouvelle espèce de mammifère apportée vivante par le vaisseau le Naturaliste. (*Ann. du Muséum d'Hist. Nat.* 1803, ii.)

Geoffroy, E. Mémoire sur un nouveau genre de mammifères à bourse nommé Péramèles. (*Ann. du Mus. d'Hist. Nat.* 1804, iv.)

Germar, E. F. Die Versteinerungen des Steinkohlengebirges von Wettin und Löbejün im Saalkreise. Halle, 1844—53. Folio.

Goldfuss, Dr A. Ausführliche Erläuterung des naturhistorischen Atlases. 4 Theil. Düsseldorf, 1826—32. 4to.

Goldfuss, A. Petrefacts Germaniae, &c. Düsseldorf, 1826—1844. 3 vols.

Göppert, H. R. Die fossilen Farnkräuter (*Systema Filicum Fossilium*). Breslau, 1836, 4to.

Gould, Dr A. A. Descriptions of new shells collected by the U. S. North Pacific Exploring Expedition. (*Proc. Boston Nat. Hist. Soc.* 1860, vii.)

Gould, C. Report on the Resinous Shales of the River Mersey, Tasmania, 23rd May, 1861. Hobart Town. Folio.

Gould, J. Mammals of Australia. 3 vols. Folio.

Gould, J. A monograph of the Macropodidæ, or family of Kangaroos. Parts 1 and 2. 1841—2. Imp. Folio.

Grateloup, Dr. Considérations générales sur la Géologie et la Zoologie fossile de la commune de Léognan, près Bordeaux. (*Actes de la Société Linnaéenne de Bordeaux*. 1840.)

Gray, Dr J. E. Description of some new or little known Mammalia, principally in the British Museum Collection. (*Mag. Nat. Hist.* 1837, i.)

Gray, Dr J. E. A monograph on the Cypræidæ, a family of Testaceous Mollusca. (*Zool. Journ.* 1824—25, i.)

Gray, Dr J. E. An attempt to divide the Echinida or sea-eggs, into natural families. (*Annals Phil.* 1825, x.)

Gray, Dr J. E. A descriptive catalogue of Shells. Part 1. The Family of Cowries. 8vo. London, 1832.

Gray, J. E. In Rev. W. Yate's account of New Zealand, and of the formation and progress of the Church Missionary Society's Mission, &c. 2nd Ed. London, 1835. 8vo.

Gray, Dr J. E. On the Genera distinguishable in *Echinus*. Lam. (*Proc. Zool. Soc.* 1835.)

Gray, Dr J. E. A synopsis of the contents of the British Museum. 44th Ed. London, 1842. 8vo.

Gray, Dr J. E. In Dr E. Dieffenbach's Travels in New Zealand, with contributions to the Geography, Geology, Botany, and Natural History of that country. London. 2 vols. 1843. 8vo. (Catalogue of the species of Mollusca and their Shells, &c.)

Gray, J. E. List of Specimens of Mammalia in the collection of the B. M. 1843.

Gray, J. E. Catalogue of the specimens of Lizards in the collection of the British Museum. London, 1845. 8vo.

Gray, J. E. On *Cypraea umbilicata* and *C. eximia* of Sowerby. (Proc. Zool. Soc. 1849.)

Gray, J. E. Catalogue of the Mollusca in the collection of the Brit. Museum. Part 1. Cephalopoda Antepedia. London, 1849. 8vo.

Gray, Dr J. E. Description of two new genera and some new species of *Scutellidae* and *Echinolampidae* in the collection of the Brit. Mus. (Proc. Zool. Soc. 1851.)

Gray, Dr J. E. Descriptions of some new genera and species of *Spantangidae* in the Brit. Mus. (Annals Nat. Hist. 1851, vii.)

Gray, J. E. Catalogue of the recent Echinida or Sea Eggs, in the collection of the British Museum. (Part 1. Echinida irregularia.) London, 1855.

Gray, Dr J. E. Guide to the systematic distribution of Mollusca in the British Museum. Part 1, 1857. London, 8vo.

Gray, Dr J. E. Notice of three Wombats in the Zoological Gardens. (Annals Nat. Hist. 1863, xi.)

Gray, Dr J. E. Catalogue of Seals and Whales in the British Museum. London, 1866, 2nd ed. 8vo.

Gray, Dr J. E. Notes on the skulls of the Species of Dogs, Wolves, and Foxes (*Canidae*) in the Collection of the British Museum. (Proc. Zool. Soc. 1868.)

Gray, Dr J. E. Supplement to the Catalogue of Seals and Whales in the British Museum. London, 1871. 8vo.

Gray, Dr J. E. Hand-list of Seals, Morses, Sea-Lions and Sea-Bears in the British Museum. 1874. 8vo.

Gregory, F. T. On the Geology of a Part of Western Australia (Quart. Jour. Geol. Soc. 1861, xvii.)

Gressly, A. Observations Géologiques sur le Jura Soleurois. (Nouv. Mém. de la Soc. Helvétique des Sciences Nat. Neuchatel. 1838.)

Grey, Capt. (Sir G.). Journals of two Expeditions of Discovery in N. W. and W. Australia, during the years 1837—39, performed under the Authority of H. M. Government. London, 2 vols., 8vo. 1841.

Groye, Ménard de la. Sur un nouveau genre de Coquille nommée Panopée. (Nouv. Bull. des Sci. par la Soc. Philomatique de Paris, i. No. 19, 1809.)

Guettard. Mémoires sur différentes parties des Sciences et des Arts. 4to. Paris. (Vol. i. 1768, II. 1770.)

Gunn, R. On the Habitat of *Cypraea umbilicata*, Sow. (Proc. Zool. Soc. 1849.)

Haan, G. de. Monographia Ammoniteorum et Goniatiteorum Specimen. Lugduni, 1825. 8vo.

Haidinger, W. Naturwissenschaftliche Abhandlungen gesammelt und durch Subscription, &c. Wien, 4to. (1848, vol. II.)

Hall, Prof. J. Geology of New York. Part iv. comprising the survey of the 4th Geological District. 4to. Albany, 1843.

Hall, Prof. J. Palaeontology of New York. 5 vols. 4to. Albany, 1847—77.

Hall, Prof. J. in Logan's Report of Progress, Geological Survey of Canada, for the year 1857. Montreal, 1858. 8vo. (Descriptions of Canadian Graptolites.)

Hall, Prof. J. The Graptolites of the Quebec Group. Montreal, 1865, 8vo. (Decade II. Geol. Survey Canada.)

Hall, Prof. J. Annual Reports of the Regents of the University of the State of New York on the condition of the State Cabinet of Natural History, &c. 8vo. Albany. (13th Report, 1860; 20th Report, 1867.)

Harris, G. P. Description of two new species of *Didelphis* from Van Diemen's Land. (*Trans. Linn. Soc.* ix.)

Harrison, T. On the Eocene beds of Schnapper Point, Hobson's Bay. (*Geologist*, 1864, vii.)

Harrison, T. Victoria as a field for Geologists. (*Trans. R. Soc. Vict.*, 1866, vii.)

Hassall, A. H. Catalogue of Irish Zoophytes. (*Annals Nat. Hist.*, 1841, vi.)

Haughton, Rev. S. On the evidence afforded by Fossil Plants, as to the Boundary line between the Devonian and Carboniferous Rocks. (*Jour. Geol. Soc. Dublin*, 1856, vi.)

Haughton, Rev. S. On *Cyclostigma*, a new genus of Fossil Plants from the Old Red Sandstone of Kiltorecan, co. Kilkenny, &c. (*Annals Nat. Hist.*, 1860, v.)

Hinds, R. B. The Zoology of H. M. S. "Sulphur" under the command of Sir Ed. Belcher, R. N. Vol. II. *Mollusca*. 4to. London, 1844.

Hisinger. *Lethæa Suecica, seu Petrificata Sueciæ, &c.*, 1837. 4to.

Hobson, Dr E. C. On the Fossil Bones from Mount Macedon, Port Philip. (*Tasmanian Jour. Nat. Science*, 1845. II.)

Hobson, Dr E. C. On the jaw of *Diprotodon Australis* and its dental formula. (*Tasmanian Jour. Nat. Science*, 1849. III.)

Hochstetter, Dr F. v. Notizen über einige fossile Thierreste und deren Lagerstätten in Neu-Holland. (*Sitz. K. Akad. Wissensch. zu Wien.* 1839, XXXV.)

Hochstetter, Dr F. v. Schreiben des Herrn H. Ulrich aus Australien. (*Jahrb. d. K. K. Geol. Reichsanstalt.* 1861—62, XII. *Verhandlungen*.)

Hochstetter, Dr F. v. Knochenreste und Gypsabgüsse Solcher aus Australien und Neu-Seeland. (*Jahrb. d. K. K. Geol. Reichsanstalt.* 1864. XIV. *Verhandlungen*.)

Home, Sir E. Some account of the Fossil Remains of an Animal more nearly allied to Fishes than any of the other classes of animals. (*Phil. Trans.* 1814.)

Hutton, Capt. F. W. Catalogue of the Tertiary Mollusca and Echinodermata of New Zealand in the Collection of the Colonial Museum, Wellington N. Z. 1873. 8vo. (*Mem. Col. Museum & Geol. Survey Dept.*)

Hutton, Capt. F. W. Catalogue of the Marine Mollusca of New Zealand, with diagnosis of the Species. 8vo. Wellington, N. Z. 1873. (*Mem. Col. Museum and Geol. Survey Dept.*)

Huxley, Prof. T. H. On some Amphibian and Reptilian Remains from S. Africa. (*Quart. Jour. Geol. Soc.* 1859, xv.)

Huxley, Prof. T. H. On the Premolar teeth of *Diprotodon*, and on a new species of that Genus. (*Quart. Jour. Geol. Soc.* 1862, xviii.)

Huxley, Prof. T. H. On the Formation of Coal. (*Critiques and Addresses*, No. 5, 1873.)

Illiger, C. *Prodromus Systematis Mammalium et Avium, additis Terminis Zoographicis utriusque Classis eorumque versione Germanica*. Berolini, 1811.

Imperato, di Ferante. *Historia Naturalis*. Venetia, 1672.

Jenkins, H. M. On the occurrence of a Tertiary species of *Trigonia* in Australia. (*Quart. Jour. Science.* 1865, II.)

Jenkins, H. M. On the occurrence of a recent species of *Trigonia* (*T. Lamarkii*) in Tertiary Deposits in Australia. (*Geol. Mag.* 1868, III.)

Jenkins, H. M. On the Tertiary Deposits of Victoria. (*Geol. Mag.* 1868, V.)

Johnston, G. *History of British Zoophytes*. London, 1838; 2nd ed. 2 vols. 1847. 8vo.

Johnston, R. M. Regarding the composition and extent of certain Tertiary Beds in and around Launceston. (*Proc. R. Soc. Tas.* for 1873.)

Johnston, R. M. The Launceston Tertiary Basin. (*Proc. R. Soc. Tas.* for 1874.)

Johnston, R. M. Further notes on the Tertiary Marine Beds of Table Cape, Tasmania. (*Proc. R. Soc. Tas.* for 1876.)¹

Johnston, R. M. Tasmanite, or Mersey "Yellow Coal." Hobart Town, 1877. 8vo.

Jonas, Dr J. H. Descriptions of Two new species of Shells. (*Proc. Zool. Soc.* 1846.)

Jones, Prof. T. Rupert, in Memoirs of the Geological Survey of Gt. Britain and the Museum of Practical Geology, No. 32. The Geology of the Neighbourhood of Edinburgh. London, 1861. 8vo.

Jones, Prof. T. Rupert. Notes on the Palæozoic Bivalved Entomostraca. No. x. *Entomis* and *Entomidella* (*Annals Nat. Hist.*, 1873, xi.)

Jones, Prof. T. Rupert, J. W. Kirkby, and G. S. Brady. A Monograph of the British Fossil Bivalved Entomostraca from the Carboniferous Formations, Part 1. 4to. London, 1874. (*Pal. Soc.*)

Jukes, Prof. J. B. Notes on the Palæozoic Formations of New South Wales, and Van Diemen's Land. (*Quart. Jour. Geol. Soc.* 1847, III.)

Keene, W. On the Coal Measures of New South Wales, with *Spirifer*, *Glossopteris*, and *Lepidodendron*. (*Quart. Jour. Geol. Soc.* 1865, xxi.)

King, Capt. P. P. Narrative of a Survey of the Intertropical and Western Coasts of Australia, performed between the years 1818—22. 2 vols. 8vo. London, 1827. (Dr J. E. Gray. Appendix B, vol. II. *Reptilia*.)

King, Prof. W. On a New Genus of Palæozoic Shells. (*Annals Nat. Hist.* 1844, xiv.)

King, Prof. W. Remarks on certain Genera belonging to the Class Palliobranchiata. (*Annals Nat. Hist.* 1846, xviii.)

King, Prof. W. A Catalogue of the Organic Remains of the Permian Rocks of Northumberland and Durham. Newcastle-on-Tyne, 1848. 8vo.

King, Prof. W. A Monograph of the Permian Fossils of England. London, 1850, 4to. (*Pal. Soc.*)

Klein, J. T. Naturalis dispositio echinodermatum. 1734. Leipsic, 4to.

Klein, J. T. Tentamen Methodi Ostracologicæ, &c. 1753. 4to.

König. Icones Fossilium sectiles. (No date, title page, &c.)

Koninck, L. G. de. Monographie du Genre *Productus*. (*Mém. Soc. Royale des Sc. de Liège*, iv.)

Koninck, L. G. de. Recherches sur les Animaux Fossiles. Prem. partie. Monographie des Genres *Productus* et *Chonetes*. Liège, 4to.

Koninck, L. G. de. Description des Animaux Fossiles qui se trouvent dans le Terrain Carbonifère de Belgique. Liège, 1842—44. 2 vols. 4to.

Koninck, L. G. de. Mémoires de Paléontologie. 8vo. Bruxelles, 1857—71.

Koninck, L. G. de. Nouvelles Recherches sur les Animaux Fossiles du Terrain Carbonifère de la Belgique. Bruxelles, 1872. 4to. 1st pt. (Monographie des Fossiles Carbonifères de Bleiberg en Carinthie.)

Koninck, L. G. de. Recherches sur les Fossiles Palæozoïques de la nouvelle Galles du Sud. (Australie.) Bruxelles, 8vo. (Pts. 1 & 2, 1876. Pt. 3, 1877.)

Krefft, Dr G. On the Vertebrated Animals of the Lower Murray and Darling, their habits, economy, and geographical distribution. (*Trans. R. Soc. N. S. Wales.* 1862—65.)

¹ The references to this paper given in the Tertiary portion of the Catalogue were taken from an advanced separate copy kindly supplied by the author. The page assigned to each species will therefore not correspond with that at which it is to be found in the above *Proceedings*. Those wishing to refer to it, will find it occupying pp. 79—90 f. of the *Proc. R. Soc. Tas.* for 1876. E. E. JUN.

Krefft, Dr G. Notes on the Fossil Mammals of Australia. (*Geol. Mag.* 1865, ii.)

Krefft, Dr G. On the Dentition of *Thylacoleo carnifex*, Owen. (*Annals Nat. Hist.* 1866, xviii.)

Krefft, Dr G. The Vertebrata of Tasmania, recent and fossil. (*Trans. R. Soc. N. S. Wales for the Year* 1867. Vol. i.)

Krefft, Dr G. On the Discovery of a New and Gigantic Fossil Species of *Echidna* in Australia. (*Annals Nat. Hist.* 1868, i.)

Krefft, Dr G. On the lower incisor of *Thylacoleo carnifex*, Owen. (*Quart. Jour. Geol. Soc.* 1870, xxvi.)

Krefft, Dr G. Mammals of Australia. Sydney, 1871. Folio.

Krefft, Dr G. Australian Vertebrata. Fossil and Recent. Sydney, 1871. 8vo.

Krefft, Dr G. Letter on the Species of Wombat. (*Proc. Zool. Soc.* 1872.)

Krefft, Dr G. Review of a Cuvierian Principle in Palaeontology, tested by evidence of an Extinct Leonine Marsupial (*Thylacoleo carnifex*, Owen), by Prof. Owen. (*Annals Nat. Hist.* 1872, x.)

Lamarck, J. B. de. *Prodrome d'une Nouvelle Classification des Coquilles.* (*Mém. Soc. d'Histoire Nat. de Paris*, 1799.)

Lamarck, J. B. de. *Système des Animaux sans Vertèbres, ou Tableau Général des Classes, des Ordres, et des Genres de ces Animaux.* Paris, 1801. 8vo.

Lamarck, J. B. de. *Histoire Naturelle des Animaux sans Vertèbres.* Paris, 7 vols. 8vo. 1815—22.

Lamarck, J. B. de. *Sur les Fossiles des environs de Paris.* (*Ann. Muséum d'Hist. Nat.* 1804, v. 1806, vii. and viii.)

Lamarck, J. B. de. Suite du genre Porcelaine. (*Ann. du Mus. d'Hist. Nat.* 1810, xvi.)

Lamarck, J. B. de. *Cours de Zoologie, extrait de Muséum d'Histoire Naturelle.* Paris, 1812. 8vo.

Lamouroux, J. V. F. *Extrait d'un Mémoire sur la classification des Polypiers coralligènes non entièrement pierreux.* (*Nouv. Bull. des Sci. par la Soc. Philomathique de Paris.* 1812, iii.)

Lamouroux, J. V. F. *Histoire des Polypiers Coralligènes Flexibles, vulgairement nommés Zoophytes.* Caen, 1816. 8vo.

Lamouroux, J. V. F. *Exposition Méthodique des Genres de l'Ordre des Polypiers, &c.* Paris, 1821. 4to.

Latreille, P. A. *Genera Crustaceorum et Insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata.* 4 vols. 8vo. 1806—9.

Laube, Dr G. C. *Über einige fossile Echiniden von den Murray Cliffs in Süd-Australien.* (*Sitz. d. K. Akad. d. Wissenschaft. zu Wien.* 1869, lxx. 1 Abth.)

Leach, W. E. *The Zoological Miscellanies, being descriptions of new, or interesting Animals, &c.* 8vo. London. (Vol. i. 1814.)

Leach, Dr W. E. *Descriptions des nouvelles espèces d'Animaux découvertes par le vaisseau *Isabelle* dans un voyage au pôle boréal.* (*Jour. de Physique, &c.* 1819. lxxxviii.)

Lee, Dr R. *On a Sample obtained from the Mersey Shale, Tas.* (*Proc. R. Soc. Tas.* iii. p. 187.)

Leichhardt, L. *Journal of an Overland Expedition in Australia, from Moreton Bay to Port Essington, a distance of upwards of 3000 miles, during the years 1844—45.* London, 1847. 8vo.

Leichhardt, L. *Letters and Remarks on the Bones brought to Sydney by Mr Turner, addressed to Prof. Owen and Rev. W. B. Clarke.* (*Parl. Blue-book of December*, 1854. London, 1855.)

Leonhard, C. C. *Taschenbuch für die gesammte Mineralogie.* 8vo. Frankfort, 1813.

Lesauvage. *Mémoire sur un Nouveau Genre de Polypier Fossile.* (*Mém. Soc. Hist. Nat. de Paris.* 1823. i.)

Lesauvage, D. Note sur le genre *Polypier* fossile, établi sous le nom de *Thamnastérié*. (*Annales Sc. Nat.* 1832, **xxvi.**)

Lesson, R. P. Illustrations de Zoologie, ou Recueil de Figures d'Animaux peintes d'après Nature. Paris, 8vo. 1831.

Léveillé, C. Aperçù Géologique de quelques localités très riches en Coquilles sur les Frontières de France et de Belgique. (*Mém. Soc. Géol. de France*. 1835, **ii.**)

L'Heritiere, C. L. *Sertum Anglicum seu Plante rariores quæ in Hortis juxta Londinium imprimis in Horto Regio Kewensi excoluntur ab anno 1786 ad annum 1787 observatae.* Folio. Parisiis, 1788.

Lindley, J., and W. Hutton. The Fossil Flora of Great Britain. London, 3 vols. 8vo. 1831—37.

Lindström, G. Några iakttagelser öfver Zoantheria rugosa. (*Öfver. Kongl. Vet. Akad. Förhandl.* 1865.)

Linnæi, Caroli, *Systema Naturæ sive Regna tria Naturæ systematica proposita per classes, ordines, genera et species.* Lunduni, MD.CCXXXV.

Linnæi, Caroli, *Systema Naturæ per Regna Tria naturæ, secundum classes, ordines, genera, species cum characteribus, differentiis, synonymis, locis.* Holmiae. 1758. 8vo.

Linnæi, Caroli, *Systema Naturæ, ed. 12, t. i. pt. 1, 1766; pt. 2, 1767; t. III. 1768.*

Linnæus, (fil.). *Supplementum Plantarum Systematis vegetabilium editionis sextæ et Specierum plantarum editionis secundæ.* 8vo. Brunsvigæ, 1781.

Luidius, E. *Lithophylaci Britannici Ichnographia,* 1699. Londini, 8vo.; *Editio Altera,* 1760. Oxonii. 8vo.

Lütken. Die Begrenzung der Ganoïden (*Palæontographica*, 1873. **xxii.** pt. 1.)

Lyell, Sir C. The Student's Elements of Geology. 2nd ed. 1874, London. 8vo.

Macdonald, Dr J. D. Notes on *Zygomaticus trilobus.* Macleay. (*Quart. Jour. Geol. Soc.* 1859, **xv.** p. 169.)

Mac-Gillivray, P. H. Notes on the Cheilostomatous Polyzoa of Victoria and other parts of Australia. (*Trans. Phil. Inst. Vict.* 1860, **iv.** pt. 2.)

Macleay, W. S. Letter to the Editors of the *Sydney Morning Herald*, on the Bones brought to Sydney, by Mr Turner. (*Parl. Blue-book of December, 1854.* London, 1855.)

Macleay, W. S. "Donations to the Australian Museum during August, 1857".

Martens, E. von. Critical List of the Mollusca of New Zealand contained in European Collections, with references to descriptions and synonyms. N. Zealand, 8vo. 1873. (*Mem. Col. Museum & Geol. Survey Dept.*)

Martin, W. *Petrificata Derbyiensia; or Figures and Descriptions of Petrefactions collected in Derbyshire.* Wigan, 1809. 4to.

M'Coy, F. A Synopsis of the Characters of the Carboniferous Limestone Fossils of Ireland. Dublin, 1844. 4to.

M'Coy, Prof. F. On the Fossil Botany and Zoology of the Rocks associated with the Coal of Australia. (*Annals Nat. Hist.* 1847. **xx.**; *Proc. R. Soc. V. D. Land,* 1851, **i.**)

M'Coy, F. On the Plants of the N. S. Wales and V. Diemen's Land Coal-fields. (*Brit. Assoc. Report* for 1847, London, 1848.)

M'Coy, Prof. F. On some New Genera and Species of Palæozoic Corals and Foraminifera. (*Annals Nat. Hist.* 1849, **iii.**)

M'Coy, Prof. F. A Commentary on "A Communication made by the Rev. W. B. Clarke, &c. on Prof. M'Coy's New *Tæniopteris*." (*Trans. R. Soc. Vict.* 1860, **v.**)

M'Coy, Prof. F. On the Ancient and Recent Natural History of Victoria. Inter-colonial Exhibition Essay. Melbourne, 1861. 8vo.

M'Coy, Prof. F. A Synopsis of the Silurian Fossils of Ireland. London, 4to. 1862.

M'Coy, Prof. F. Note on the Ancient and Recent Natural History of Victoria. (*Annals Nat. Hist.* 1862, ix.)

M'Coy, Prof. F. On the Canine teeth of *Thylacoleo carnifex*, Owen. (*Annals Nat. Hist.* 1865, xvi.)

M'Coy, Prof. Remarks on a Series of Fossils collected at Wollumbilla, and transmitted by Rev. W. B. Clarke, of Sydney. (*Trans. R. Soc. Vict.* 1865, vi.)

M'Coy, Prof. On the Bones of a New Gigantic Marsupial. (*Trans. R. Soc. Vict.* 1865, vi.)

M'Coy, F. On the occurrence of *Limopsis Belcheri*, *Corbula sulcata*, and some other Recent Shells in Miocene Tertiary Beds near Melbourne. (*Annals Nat. Hist.* 1865, xvi.)

M'Coy, Prof. F. Note on the Cretaceous Deposits of Australia. (*Annals Nat. Hist.* 1865, xvi.)

M'Coy, Prof. F. On the discovery of Cretaceous Fossils in Australia. (*Trans. R. Soc. Vict.* 1866, vii.)

M'Coy, Prof. F. On the Australian Tertiary species of *Trigonia*. (*Geol. Mag.* 1866, iii.)

M'Coy, Prof. F. On some new species of Fossil Volutes from the Tertiary beds near Melbourne. (*Annals Nat. Hist.* 1866, xviii.)

M'Coy, Prof. F. On the occurrence of the Genus *Squalodon* (*S. Wilkinsoni*, M'Coy) in the Tertiary strata of Victoria. (*Geol. Mag.* 1867, iv.)

M'Coy, Prof. F. Description of two new Fossil Cowries, characteristic of Tertiary beds, near Melbourne. (*Annals Nat. Hist.* 1867, xix.)

M'Coy, Prof. F. On the recent Zoology and Palæontology of Victoria. (*Annals Nat. Hist.* 1867, xx.)

M'Coy, Prof. F. On the occurrence of *Ichthyosaurus* and *Plesiosaurus* in Australia. (*Annals Nat. Hist.* 1867, xix.)

M'Coy, Prof. F. On the discovery of *Enaliosaura* and other Cretaceous Fossils in Australia. (*Trans. R. Soc. Vict.* 1868, viii.)

M'Coy, Prof. F. On the Teeth and Fossil Eye of the *Ichthyosaurus Australis*, M'Coy. (*Trans. R. Soc. Vict.* 1869, ix. Part 2.)

M'Coy, Prof. F. Prodromus of the Palæontology of Victoria, &c. Geological survey of Victoria. Melbourne, Imp. 8vo. Decade, i. 1874; Dec. ii. 1875; Dec. iii. 1876; Dec. iv. 1876; Dec. v. 1877.

M'Coy, Prof. F. Palæontological notes, attached to the quarter sheets and horizontal sections of the geological survey of Victoria; viz. $\frac{1}{4}$ sheet 2, S.W. by N. Taylor; $\frac{1}{4}$ sheet 3, N.E. by N. Taylor; $\frac{1}{4}$ sheet 4, S.W. by N. Taylor; Hor. Section, 14 N.W. by H. Y. L. Brown.

M'Coy, Prof. F. On a New Victorian Graptolite. (*Annals Nat. Hist.* 1876, xviii.)

Meek, F. B. and A. H. Worthen. Descriptions of new Palæozoic Fossils from Illinois and Iowa. (*Proc. Acad. Nat. Sciences, Philadelphia* for 1861.)

Meek, F. B. and W. M. Gabb. Geological survey of California Report. 8vo-1864. Palæontology, vol. i.

Meek, F. B. and F. V. Hayden. Palæontology of the Upper Missouri. 4to. Washington City, 1865. (*Smithsonian Contributions*, xiv.)

Meek, F. B. United States Geological survey of the Territories. A Report on the Invertebrate Cretaceous and Tertiary Fossils of the Upper Missouri Country. Washington, 1876. 4to.

Miall, Prof. L. C. Monograph of the Sirenoid and Crossopterygian Ganoids. (*Pal. Soc.*) 1877. 4to.

Miall, Prof. L. C. On the Genus *Ceratodus*, with special reference to the Fossil Teeth found at Maledi, Central India. (*Paleontologia Indica*, 1878, ser. iv. no. 2.)

Michelin. Ichnographie Zoophytologique. Descriptions par localités et terrains des Polypiers fossiles de France, et des pays environnans. Paris. 2 vols. 4to. 1840—47.

Michelotti, J. Specimen Zoophytologiae Diluvianæ. 8vo. 1838.

Miller, J. S. A Natural History of the Coincoidea, or lily-shaped animals, &c. Bristol, 1821. 4to.

Miller, S. A. The American Palæozoic Fossils: a catalogue of the Genera and Species, &c. Cincinnati, Ohio. 8vo. 1877.

Milligan, J. Reports on the Coal Basins of Van Diemen's Land. (*Proc. R. Soc. V. D. Land.* 1851, I.)

Milligan, J. Reports on the Coal said to have been found at the Don River, and upon the west bank of the Tamar River, in Tasmania. (*Proc. R. Soc. Tas.* 1852, II.)

Mivart, St. G. Contributions towards a more complete knowledge of the Axial Skeleton in the Primates. (*Proc. Zool. Soc.* 1865.)

Möller, V. von. Ueber die Trilobiten der Steinkohlenformation des Ural, &c. (*Bull. Soc. Imp. Nat. Moscou.* 1867, xl. Part 1.)

Montagu, G. Testacea Britannica, or Natural History of British Shells, Marine, Land, and Fresh-water, &c. London, 1803. Parts 1 and 2. 4to.

Montfort, D. de. Conchyliologie systématique et classification méthodique de Coquilles. 2 vols. 8vo. 1808—10.

Moore, C. Contributions to Australian Geology and Paleontology. (*Brit. Assoc. Report* for 1862. London, 1863.)

Moore, C. Australian Mesozoic Geology, and Paleontology. (*Quart. Journ. Geol. Soc.* 1870, xxvi.)

Moore, T. On the comparative value of the Mersey Schist, and of the Coals from Schouten Island and the Douglas River. (*Proc. R. Soc. Tas.* III. p. 177.)

Mörch, O. A. L. Review of the genus *Tenagodus*, Guettard. (*Proc. Zool. Soc.* 1860.)

Mörch, O. A. L. Review of the Vermetidæ. Part 2. (*id.* 1861.)

Morris, Prof. J. and G. E. Roberts. On the Carboniferous limestone of Oretton and Farlow, Clee Hills, Shropshire. (*Quart. Journ. Geol. Soc.* 1862, xviii.)

Mueller, Baron F. von, and R. Brough Smyth. Observations on some vegetable Fossils from Victoria. (*Quart. Journ. Geol. Soc.* 1870, xxvi.)

Mueller, Baron F. von. Succinct Observations on a new Genus of Fossil Coniferæ. (*Reports, Mining Surveyors and Registrars, Victoria*, March, 1871.)

Mueller, Baron F. von. New Vegetable Fossils of Victoria. (*Ibid.* June, 1871; Sept. 1871; Sept. 1873; Dec. 1873; Sept. 1874; June 1875; Sept. 1876; Sept. 1877.)

Mueller, Baron F. von. Descriptive notes on the Tertiary Flora of New South Wales. (*Ann. Report, Department of Mines, N. S. Wales* for 1876.)

Mueller, Baron F. von. Description of Fossil Fruits in Siliceous deposit. Richmond River. (*Journ. R. Soc. N. S. Wales*, 1876, x.)

Mühlfeld, J. K. Megerle von. Entwurf eines neuen Systems der Schalthische Häuse. (*Die Gesellschaft naturforschender Freunde zu Berlin, Magazin*, &c. 1811, v.)

Müller, O. F. Zoologia Danica Prodromus, seu Animalium Danicæ et Norwegicæ indigenarum, &c. 8vo. 1776.

Müller, F. O. Entomostraca, seu Insecta Testacea quæ in Aquis Danicæ et Norwegicæ reperit, descriptis et Iconibus illustravit. Lipsiæ et Havniæ. 1785. 4to.

Munster, G. Graf zu. Beiträge zur Petrefactenkunde. 1839. 4to. Beyreuth.

Murchison, Sir R. I. (then Mr). The Silurian System founded on Geological researches in the counties of Salop, Hereford, &c. London, 1839. 4to.

Murchison, Sir R. I. (then Mr). Description de quelques-unes des Coquilles fossiles les plus abondantes dans les couches devoniennes du Bas-Boulonnais. (*Bull. Soc. Géol. de France.* 1840, xi.)

Murchison, Sir R. T. *Siluria. A History of the oldest rocks in the British Isles and other countries, &c.* London, 4th Ed. 1867. 8vo.

Murie, Dr J. *On the identity of the hairy-nosed Wombat (*Phascolomys lasio-rhynus*, Gould) with the broad-fronted Wombat (*P. latifrons*, Owen) &c. (Proc. Zool. Soc. 1865.)*

Murie, Dr J. and A. D. Bartlett. *On the movement of the Symphysis of the lower jaw in the Kangaroos. (Proc. Zool. Soc. 1867.)*

Murie, Dr J. *On the Platyrhine Wombat (*Phascolomys platyrhinus*, Owen). (Proc. Zool. Soc. 1867.)*

Murray, A. *The Geographical distribution of Mammals.* London, 1866. 8vo.

Newton, E. T. *On "Tasmanite" and Australian "White Coal." (Geol. Mag. Dec. 2, II. 1875.)*

Nyst. *Description des Coquilles et des Polypiers fossiles des Terrains Tertiaires de la Belgique.* Bruxelles, 1843. 4to.

Nyst. *Liste des Coquilles fossiles des argiles de Boom, Basele, Schelle, &c. (Bull. Soc. Géol. de France, XIV.)*

Ogilby, W. *On two new species of *Phalangista*, Cuv. (Proc. Zool. Soc. 1831.)*

Owen, Prof. R. *Outlines of a classification of the Marsupialia. (Proc. Zool. Soc. 1839, Trans. id. 1841, II. part 4.)*

Owen, Prof. R. *On the Osteology of the Marsupialia:*

- Part 1. (*Trans. Zool. Soc. 1841, II.*)
- Part 2. *Comparison of the skulls of the Wombats of continental Australia and of Van Diemen's Land, &c. (Ibid. III. pt. 4.)*
- Part 3. *Modifications of the skeleton in the species of *Phascolomys*. (Ibid. 1873, VIII. pt. 6.)*
- Part 4. *Bones of the Trunk and Limbs. *Phascolomys*. (Ibid. 1874, VIII. pt. 7.)*
- Part 5. *Fam. *Poephaga*, genus *Maeropus*. (Ibid. 1876, IX. pt. 8.)*

Owen, R. *The Zoology of H.M.S. Beagle, under the command of Capt. Fitzroy, R.N. Edited and superintended by Charles Darwin, F.R.S. &c. Part 1, Fossil Mammals.* London, 1840. 4to.

Owen, Prof. R. *Odontography, or a treatise on the Comparative Anatomy of the Teeth, &c.* London. 2 vols. 8vo. 1840—45.

Owen, Prof. R. *On the discovery of the remains of a Mastodontoid Pachyderm in Australia. (Annals Nat. Hist. 1843, XI.)*

Owen, Prof. R. *Additional evidence proving the Australian Pachyderm... to be a *Dinotherium*, with remarks on the nature and affinities of that genus. (Annals Nat. Hist. 1843, XI.)*

Owen, Prof. R. *Description of a Fossil Molar tooth of a Mastodon discovered by Count Strzelecki in Australia. (Annals Nat. Hist. 1844, XIV.)*

Owen, Prof. R. *Report on the extinct mammals of Australia. (Brit. Assoc. Report for 1844; London, 1845.)*

Owen, Prof. R. *On the existence of two species of Wombat. *Phascolomys*. (Proc. Zool. Soc. 1845.)*

Owen, Prof. R. *Description of a Fossil Molar Tooth of a Mastodon discovered by Count Strzelecki in Australia. (Calcutta Journ. Nat. Hist. 1845, V.)*

Owen, Prof. R. *Descriptive Catalogue of the Osteological Series contained in the Museum of the Royal College of Surgeons of England.* London. 4to. (Vol. I. 1853. *Pisces, Reptilia, Aves and Marsupialia.*)

Owen, Prof. R. *Description of some remains of a gigantic Land-Lizard (*Megalania prisca* Ow.). (Annals Nat. Hist. 1858, II.; Proc. R. Soc. 1858, IX; Phil. Trans. 1859, CXLIX.)*

Owen, Prof. R. *Article "Palaeontology." (Encyclopaedia Brit. 1859, XVII.)*

Owen, Prof. R. *On the Fossil Mammals of Australia.*

PART I. *Description of a mutilated skull of a large Marsupial Carnivore. (*Thylacoleo carnifex*, Ow.) from a conglomerate stratum, eighty miles*

S. W. of Melbourne, Australia. (*Proc. R. Soc.* 1858, ix. ; *Phil. Trans.* 1869, *CLIX.*)

PART II. Description of an almost entire skull of *Thylacoleo carnifex*, Owen. (*Proc. R. Soc.* 1865, xiv. ; *Phil. Trans.* 1866, *CLVI.*)

PART III. *Diprotodon Australis*, Owen. (*Proc. R. Soc.* 1870, *xviii.* ; *Phil. Trans.* 1870, *CLX.*)

PART IV. Dentition and Mandible of *Thylacoleo carnifex*, with remarks on the arguments for its herbivory. (*Proc. R. Soc.* 1870, *xix.* ; *Phil. Trans.* 1871, *CLXI.*)

PART V. Genus *Nototherium*, Owen. (*Proc. R. Soc.* 1871, *xix.* ; *Phil. Trans.* 1872, *CLXII.* pt. 1.)

PART VI. Genus *Phascolomyx*, Geoffr. (*Proc. R. Soc.* 1871, *xx.* ; *Phil. Trans.* 1872, *CLXII.* pt. 1.)

PART VII. Genus *Phascolomys*. Species exceeding the existing ones in size. (*Proc. R. Soc.* 1872, *xx.* ; *Phil. Trans.* 1872, *CLXII.* pt. 2.)

PART VIII. Family Macropodidæ: Genera *Macropus*, *Oosphranter*, *Phascolagus*, *Sthenurus*, and *Protemnodon*. (*Proc. R. Soc.* 1873, *xxi.* ; *Phil. Trans.* 1874, *CLXIV.* pt. 1.)

PART IX. Family Macropodidæ: Genera *Macropus*, *Physiagon*, *Leptisagon*, *Procoptodon*, and *Palorchestes*. (*Proc. R. Soc.* 1873, *xxi.* ; *Phil. Trans.* 1874, *CLXIV.* pt. 2.)

PART X. Family Macropodidæ: Mandibular dentition and parts of the skeleton of *Palorchestes*; Additional evidence of *Macropus Titan*, *Sthenurus*, and *Procoptodon*. (*Proc. R. Soc.* 1875, *xxii.* ; *Phil. Trans.* 1876, *CLXVI.* pt. 1.)

Owen, Prof. R. On a collection of Australian Fossils in the Museum of the Natural History Society at Worcester; with a description of the Lower Jaw and Teeth of *Nototherium inerne*, and *N. Mitchelli*, Owen; demonstrating the identity of the latter species with the *Zygomaturus* of Macleay. (*Quart. Jour. Geol. Soc.* 1859, *xv.*)

Owen, Prof. R. On some outline-drawings and Photographs of the skull of the *Zygomaturus trilobus*, Macleay (*Nototherium* Owen?), with two plates. (*Quart. Jour. Geol. Soc.* 1859, *xv.*)

Owen, Prof. R. Palæontology, or a Systematic Summary of Extinct Animals and their Geological Relations. Edinburgh, 1860; 2nd Edition, 1861. 8vo.

Owen, Prof. R. On the Mandible and Mandibular teeth of Cochliodonts. (*Geol. Mag.* 1864, *iv.*)

Owen, Prof. R. On an upper Incisor of *Nototherium Mitchelli*, Owen. (*Annals Nat. Hist.* 1866, *xviii.*)

Owen, Prof. R. Notice of his Nineteenth Memoir on the Extinct Birds of the Genus *Dinornis* (*Proc. Zool. Soc.* 1872.)

Owen, Prof. R. On *Dinornis*, (Part 19), containing a description of a Femur indicative of a New Genus of large wingless Bird (*Dromornis Australis*, Owen), from a Post-Tertiary Deposit in Queensland, Australia. (*Trans. Zool. Soc.* 1873, *viii.* Part III.)

Owen, Prof. R. Notice of a Memoir on Additional Evidence recently obtained as to the Occurrence of Extinct Gigantic Birds allied to *Dromornis* in Australia. (*Proc. Zool. Soc.* 1877. Part I.)

Owen, Prof. R. Researches on the Fossil Remains of the Extinct Mammals of Australia, with a notice of the Extinct Marsupials of England. 2 vols. London, 1877. 4to.

Pander, Dr C. H. Beiträge zur Geognosie des Russischen Reiches. St Petersburg, 1830. 4to.

Parker, W. K., and T. Rupert Jones. Description of some Foraminifera from the Coast of Norway. (*Annals Nat. Hist.* 1857, *xix.*)

Parker, W. K., and T. Rupert Jones. Notes on Fossil Foraminifera from the Polyzoal Limestone of Mt. Gambier, S. Australia. (*Quart. Jour. Geol. Soc.* 1860, *xvi.*)

Parker, W. K., and T. Rupert Jones. On the nomenclature of the Foraminifera. (*Annals Nat. Hist.* 1859, iii. and iv.; 1860, v. and vi.; 1860, xii.; 1861, viii.; 1863, xi.)

Parker, W. K., and T. Rupert Jones. On some Foraminifera from the North Atlantic and Arctic Oceans, &c. (*Phil. Trans.* 1865, clv.)

Parker, W. K., T. Rupert Jones and H. B. Brady. On the Nomenclature of the Foraminifera. (*Annals Nat. Hist.* 1865, xvi., 1871, viii.)

Parker, W. K., and T. Rupert Jones. On the Foraminifera of the Family Rotalinæ (Carpenter) found in the Cretaceous Formations; with notes on their Tertiary and recent Representatives. (*Quart. Jour. Geol. Soc.* 1872, xxviii.)

Penny, Prof. F. Report on the Chemical Qualities and Analysis of a Combustible Mineral Substance from the Mersey River, Tasmania, &c. (*Proc. R. Soc. Tas.* 1855, iii.)

Pfeiffer, L. *Nomenclator Botanicus*, 8vo.

Philippi, R. A. *Enumeratio Molluscorum Siciliæ cum viventium tum in Tellure tertiaria fossilium quæ in itinere suo observavit*. 4to. Berolini. 2 vols. 1836—44. (Vol. ii. 1844.)

Phillips, J. A Monograph of the British Belemnitidæ. London, 4to. (*Pal. Soc.*)

Phillips, J. Illustrations of the Geology of Yorkshire, &c. London, 1836. 2 vols. 8vo.

Phillips, J. Figures and descriptions of the Palæozoic Fossils of Cornwall, Devon, and West Somerset, &c. London, 1841. 8vo.

Pietet, Prof. F. J. *Traité de Paléontologie, ou Histoire naturelle des Animaux fossiles, &c.* 4 vols. 8vo. *Atlas.* 4to. Paris, 1853—57.

Plews, H. T. On the Coalfield of New South Wales. (*Mining Inst. Jour.* 1858. vi. Part 3.)

Poli. *Testacea utriusque Siciliæ eorumque Historia et Anatome, &c.* 2 vols. folio. Parmae. Vol. i. 1791. Vol. ii. 1795.

Portlock, Col. J. E. Report on the Geology of the County of Londonderry and parts of Tyrone and Fermanagh. Dublin, 8vo. 1843.

Quenstedt, F. A. *Der Jura.* 2 vols. 8vo. 1858.

Quoy et Gaimard. *Zoologie, Voyage de Découvertes de l'Astrolabe, exécuté par ordre du Roi pendant les Années 1826—29, sous le commandement de M. J. Dumont-d'Urville.* 4 vols. and atlas. Paris. 8vo.

Quoy et Gaimard. *Voyage de l'Uranie autour du Monde, Zoologie.* 1824. Paris. 4to.

Rafinesque, C. S., et J. D. Clifford. *Prodrome d'une Monographie des Turbinolies fossiles du Kentucky, dans l'Amérique septentr.* (*Ann. Générales des Sci. Physiques*, 1820, v.)

Ralph, T. S. Observations on the Microscopic Characters presented by a Mineral (Dysodil) from Tasmania. (*Trans. R. Soc. Vict.* 1865, vi.)

Redway, W. On the Gold Diggings at Creswick Creek and Ballarat. (*Quart. Jour. Geol. Soc.* 1858, xiv.)

Reeve, L. *Conchologia Iconica, or, Illustrations of the Shells of Molluscous Animals.* (iv. *Mon. of the Genus Turbo*, 1847. viii. *Mon. of the Genus Pecten*, 1852—53.)

Reeve, L., and A. Adams. Mollusca of the Zoology of the voyage of H. M. S. "Samarang," under the command of Capt. Sir Ed. Belcher, C. B. &c., during the years 1843—46, edited by Arthur Adams.

Retzius. *Dissertatio Historica Naturalis sistens nova Testaceorum Genera.* 1788.

Reuss, Dr A. E. Die Foraminiferen und Entomostraceen des Kreidemergels von Lemberg. (*Haidinger's Naturwissenschaftliche Abhandl.* iv. 1 Abth.)

Reuss, Dr A. E. Neue Foraminiferen aus den Schichten des österreichischen Tertiärbeckens. (*Denk. der K. Akad. der Wissensch. Wien*, 1850, i.)

Richter, R., und F. Unger. Beitrag zur Paläontologie des Thüringer Waldes. Zweiter Theil, Schiefer- und Sandsteinaflora, bearbeitet von F. Unger. (*Denksch. d. K. Akad. d. Wissenschaften zu Wien*, 1856, xi.)

Risso, A. Histoire naturelle des principales Productions de l'Europe méridionale. Paris, 8vo. 5 vols.

Roemer, C. F. Das Rheinische Uebergangsgebirge, &c., 1844. Hannover, 4to.

Roemer, F. A. Beiträge zur geologischen Kenntniss des nordwestlichen Harzgebirges. (*Palaeontographica*, 1850, iii.)

Rondeletius. Libri de piscibus marinis, &c. Lugduni, 1554. Folio.

Ryckholt, Baron P. de. Mélanges Paléontologiques. 2nd part. 4to.

Salter, J. W. Figures and Descriptions of Canadian Organic Remains. (*Geol. Survey Canada*. Decade 1.) Montreal, 1859. 8vo.

Salter, J. W. Note on the Skiddaw Slate Fossils. (*Quart. Jour. Geol. Soc.* 1863, xix.)

Sars, G. O. Oversigt af Norges marine Ostracoder. (*Forhandl. i Vidensk.-Sels. i Christiania, aar 1865. Christiania*, 1866.)

Scapoli, J. A. Introductio ad Historiam Naturalem sistens genera lapidum, plantarum, et animalium. *Pragæ*, 1777. 8vo.

Schimper, W. P. Traité de Paléontologie Végétale, ou la Flore du Monde Primitif, &c. 3 vols. 8vo, and 1 vol. plates. Imp. 4to, Paris, 1869—74.

Schlotheim, E. von. Beiträge zur Naturgeschichte der Versteinerungen in geognostischer Hinsicht. (*Leonhard's Taschenbuch für die gesammte Mineralogie*. 1813, vii.; *Denksch. K. Akad. Wissenschaft. zu München*. 1816—17, vi.)

Schlotheim, Baron E. F. von. Die Pet. auf ihrem jetzigen Standpunkte, &c. 8vo. 1820.

Schneider, J. G. Sammlung vermischter Abhandlungen zur Aufklärung der Zoologie und Handlungsgeschichte. Berlin, 1784. 8vo.

Schumacher, C. F. Essai d'un Nouveau Système des Habitations des Vers Testacés. 1817. Copenhagen, 4to.

Schweigger, A. F. Handbuch der Naturgeschichte, &c. Leipzig, 1820. 8vo.

Sedgwick, Rev. A. and F. McCoy. Synopsis of the Classification of the British Palæozoic Rocks, with a systematic description of the British Palæozoic Fossils. 3 Fasciculi, Introduction and Supplement. 1851—55, London. 4to.

Selwyn, A. R. C., and G. H. F. Ulrich. Notes on the Physical Geography Geology and Mineralogy of Victoria. Melbourne, 1866. 8vo.

Selwyn, A. R. C. (and others). A Descriptive Catalogue of the Rock Specimens, and Minerals in the National Museum, collected by the Geol. Survey of Victoria, &c. Melbourne, 1868. 8vo.

Sequenza, G. Disquisizioni Paleontologiche intorno ai Corallarii Fossili delle Rocce terziarie del destretto di Messina. (*Mem. R. Accad. Torino*. 2nd Ser. xxi. 1864.)

Shaw, G. General Zoology, or Systematic Natural History. London, 8vo. (Vol. 1. Parts 1 and 2. 1800.)

Smyth, R. B. Report of Progress of the Geological Survey of Victoria. Melbourne, Imp. 8vo. By Authority. (Vol. i. 1874; ii. 1875; iii. 1876.)

Smyth, R. B. On the Age of the Auriferous Deposits of Australia. (*Geol. Mag.* ix.)

Sollas, W. J. On the changes produced in the Siliceous Skeletons of certain Sponges by the action of Caustic Potash. (*Annals Nat. Hist.* 1877, xx.)

Sowerby, G. B. Thesaurus Conchyliorum, or Monographs of Genera of Shells. 8vo. London. (Vols. ii. and iii.)

Sowerby, G. B. The Genera of Recent and Fossil Shells for the use of Students, &c. 2 vols. 8vo. London.

Sowerby, J. and J. de C. The Mineral Conchology of Gt. Britain, or Coloured Figures and Descriptions of the Remains of Testaceous Animals, &c. London. 6 vols. and supp. 8vō.

Sowerby, J. de C. Descriptions of the Organic Remains attached to the plates to illustrate Prof. Sedgwick and Sir R. I. (then Mr) Murchison's Memoirs on the Physical Structure of Devonshire, &c. (*Trans. Geol. Soc.* 2nd Ser. v. 1840.)

Stephens, T. Remarks on the Geological Structure of the North Coast of Tasmania, with special reference to the Tertiary Marine Beds, near Table Cape. (*Proc. R. Soc. Tas.* 1869.)

Sternberg, Comte G. de. *Essai d'un Exposé Géognostico-Botanique de la Flore du Monde Primitif.* (Traduit de l'Allemand par Comte de Bray), en 4 cahiers, 1820—26. (Versuch einer geognostisch-botanischen Darstellung der Flora der Vorwelt.)

Stoliczka, Dr F. Fossile Bryozoen aus dem Tertiären Grünsandsteine der Orakei Bay bei Auckland. Paläontologie von Neu-Seeland. Novara Expedition, Geologischer Theil (1 Band, 2 Abtheilung). 4to.

Stoliczka, Dr F. The Cretaceous Gasteropoda of Southern India. Palæontology Indica. (*Memoirs of the Geological Survey of India.* Vol. II. 4to. Calcutta, 1868.)

Stoliczka, Dr F. The Cretaceous Pelecypoda of Southern India. (*Ibid.* Vol. III. 4to. Calcutta, 1871.)

Strzelecki, Count P. E. de. Physical description of New South Wales and Van Diemen's Land, &c. London, 1848. 8vo.

Sturt, Capt. C. Two Expeditions into the Interior of Southern Australia, during the years 1828—31, &c. London. 2 vols. 8vo.

Stutchbury, S. Tenth Trimonthly Report on the Geological and Mineralogical Survey of New South Wales, dated Bengal, July 1st, 1853. (*Parl. Blue Book*, Dec. 1854; London, 1855.)

Stutchbury, S. Eleventh Trimonthly Report upon the Geological and Mineralogical Structure of New South Wales, dated Emu Creek, Darling Downs, 18th Oct. 1853. (*Parl. Blue Book*, Dec. 1854; London, 1853.)

Stutchbury, S. Fifteenth Report on the Geological and Mineralogical Structure of the Colony of New South Wales, dated Auckland Creek, near Gladstone, Port Curtis, Jan. 1855. (*Parl. Blue Book*, 25th July, 1856.)

Suckow, G. A. Beschreibung einiger merkwürdigen Abdrücke von der Art der sogenannten Calamiten. (*Acta Acad. Theodoro-Palatinae Mannhemii.* 1794, v.)

Tate, Prof. R. On New Species of *Belemnites* and *Salenia* from the Middle Tertiaries of South Australia. (*Quart. Jour. Geol. Soc.* 1877, XXXIII.)

Tate, Prof. R. Ostracoda and Foraminifera in the Miocene of S. Australia. (*Geol. Mag.* Dec. 2, 1877, IV.)

Tchihatcheff, P. de. Voyage scientifique dans l'Altai Oriental, et les parties adjacentes de la frontière de Chine. Paris, 1845. Imp. 4to. Atlas Sup. Royal.

Temminck, C. J. Monographies de Mammologie. 2 vols. 4to. Paris. (Vol. I. 1827.)

Tournefort, J. P. Institutiones Rei Herbariæ. Editio altera. 3 vols. Parisiis, 1700. 4to.

Traquair, Dr R. H. On some Fossil Fishes from the neighbourhood of Edinburgh. (*Annals Nat. Hist.* 1875, xv.)

Traquair, Dr R. H. The Ganoid Fishes of the British Carboniferous Formations. Part 1. *Palæoniscidæ.* London, 1877. 4to. (*Pal. Soc.*)

Turton, Dr W. Conchylia Dithyra Insularum Britannicarum. The Bivalve Shells of the British Islands, systematically arranged. London, 1848. 4to.

Unger, Dr F. Synopsis Plantarum Fossilium. Lipsiæ, 1845. 8vo.

Unger, Dr F. Genera et Species Plantarum Fossilium. 2nd ed. 1850. 8vo.

Vernenil, E. de. Sur l'importance de la limite qui sépare le calcaire de montagne des formations qui lui sont inférieures. (*Bull. Soc. Géol. de France.* 1840, xi.)

Verneuil, E. de, et d'Archiac. Note sur les Fossiles du Terrain paléozoïque des Asturies. (*Bull. Soc. Géol. de France.* 2nd Ser. 1845, II.)

Verneuil, E. de, and A. de Keyserling. Paléontologie. Murchison's Geology of Russia in Europe and the Ural Mountains. 2 vols. London and Paris, 1845. 4to.

Voltz, L. P. Observations sur les *Belemnites*. Paris, 1830. 4to.

Waldheim, G. Fischer de. Oryctographie du Gouvernement de Moscou, Folio.

Waldheim, G. Fischer de. Notice des Fossiles du Gouvernement de Moscou, servant de Programme pour inviter les Membres de la Société Impériale des Naturalistes à la séance publique du 26 Octobre. à Moscou, 1809. 4to.

Waldheim, G. Fischer de. Sur quelques Fossiles du Gouvernement de Moscou. (*Bull. Soc. Imp. Nat. de Moscou*, 1829.)

Waldheim, G. Fischer de. *Zoognosia Tabulis Synopticis Illustrata*, &c., 1831. 3rd Ed. 4to.

Walker and Jacobs. *Testacea Minuta rariora*, &c. 1784. 4to.

Waterhouse, G. R. Description of a New species of Kangaroo. *Macropus Bennettii*, W. (*Proc. Zool. Soc.* 1837.)

Waterhouse, G. R. A Natural History of the Mammalia. London, 1846. 2 vols. 8vo.

Watts, H. On Fossil Polyzoa. (*Trans. Roy. Soc. Vict.* 1865, vi.)

Wilckens, C. F. Nachrichten v. seltenen Versteinerungen, &c. 8vo. 1769.

Wilkinson, C. S. A Geological Report on the Cape Otway District. (*Geological Survey of Victoria*. Melbourne, folio. 1865.)

Wilkinson, C. S. Report of Progress of the Geological Survey of New South Wales, during the year 1876. (*Ann. Report, Department of Mines, N. S. Wales*, for 1876.)

Wintle, H. S. A sketch of the Principal Geological Features of Hobart, Tasmania. (*Quart. Jour. Geol. Soc.* 1864, xx.)

Wood, S. V. Descriptions of the species of the Genus *Lima*, from the Coralline Crag, &c. (*Mag. Nat. Hist.* 1839, III.)

Woods, Rev. J. E. T. On some Tertiary Rocks at Portland Bay. (*Trans. Phil. Inst. Vict.* 1860. iv. Part 2.)

Woods, Rev. J. E. T. Geological Observations in South Australia, &c. London, 1862. 8vo.

Woods, Rev. J. E. T. On some Tertiary Fossils in South Australia. (*Trans. R. Soc. Vict.* 1865, vi.)

Woods, Rev. J. E. T. On some Tertiary Deposits in the Colony of Victoria, Australia. (*Quart. Jour. Geol. Soc.* 1865, xxi.)

Woods, Rev. J. E. On the Tertiary Rocks of South Australia. Part 3. Brachiopoda. 4to. Adelaide (*A paper read before the Adelaide Phil. Soc.* Sept. 5th, 1865. No date of publication.)

Woods. Notes on the Physical and Zoological relations between Australia and Tasmania. (*Proc. R. Soc. Tas.* for 1874.)

Woods, Rev. J. E. T. On some Tertiary Fossils from Table Cape. (*Proc. R. Soc. Tas.* for 1875.)

Woods, Rev. J. E. T. On the Genus *Fenestella*. (*Proc. R. Soc. Tas.* for 1875.)

Woods, Rev. J. E. T. On some Tertiary Australian Polyzoa. (*Jour. R. Soc. N. S. Wales*, 1876, x.)

Woods, Rev. J. E. T. Notes on the Tertiary Fossils, Tasmania. (*Proc. R. Soc. Tas.* for 1876¹.)

Woods, Rev. J. E. T. On some New Tasmanian Marine Shells. 2nd Series. (*Proc. R. Soc. Tas.* for 1876. Hobart Town, 1877.)

¹ The note appended (p. 215) to one of Mr R. M. Johnston's papers, also applies here. The full paper will be found as above, pp. 91—116. R. E. JUN.

226 WORKS, REPORTS, AND PAPERS CONSULTED.

Woods, Rev. J. E. T. On the Tertiary Deposits of Australia. Pp. 18. Sydney, 1877. 8vo.

Woods, Rev. J. E. T. Census; with Brief Descriptions of the Marine Shells of Tasmania and the adjacent Islands. Pp. 34. 8vo. (A Paper read before *R. Soc. Tas.*)

Woodward, Dr H. A Catalogue of British Fossil Crustacea, with their Synonyms and the range and time of each Genus and Order. London (*British Museum*). 8vo. 1877.

Woodward, Dr S. P. A Manual of the Mollusca, or Rudimentary Treatise on Recent and Fossil Shells. London, 8vo. 1851—56. 2nd Edition by R. Tate. 8vo.

Zieten, C. H. von. Die Versteinerungen Württembergs. 2 vols. Stuttgart, 1830. (Les Pétifications de Wurtemberg, &c.)

Zigno, Baron A. de. Flora Fossilis Formationis Oolithicæ. Padova, 1856—68. Imp. 4to. (Vol. 1.)

Zigno, Baron A. de. Some observations on the Flora of the Oolite. (*Quart. Jour. Geol. Soc.* 1860, xvi.)

Zittel, K. A. Beiträge zur Systematik der fossilen Spongiæ. (*N. Jahrbuch*, 1877.)

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